Public Works (1903) Department.

G.O., No. 7962 J. 7975

DATED 22-8-1903.

25/8/03

[Despatch Abstract.]

Expenditure [illegible] that a copy of [illegible]

Expenditure [illegible]

IRRIGATION
ACCOUNT.

Government {1903} of Madras.

PUBLIC WORKS.

Recd. } 1903. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 796, 797 I., 22nd August 1903.

AUGUST.

Expenditure on Irrigation, Navigation and Agricultural Works during 1902–1903

Forwarding a copy of the proceedings reviewing, with satisfaction, the note by the Chief Engineer for Irrigation submitting two statements which compare the — with the final grants for the year.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

To the Examiner, Public Works Accounts, dated 29th May 1903, No. 184 L.
From the Examiner, Public Works Accounts, dated 11th July 1903, No. 2962 B./Bk.

No. 169 I.

Note by the Chief Engineer for Irrigation.

The accompanying two statements, which compare the expenditure incurred on Irrigation, Navigation and Agricultural works during 1902–1903 with the final grants for the year, are submitted to Government, with reference to G.O., No. 141 W., dated 13th January 1883.

2. Statement A shows by divisions the grants for, and expenditure on, "original works" and "repairs" under the several heads, and statement B shows the total grants and expenditure including establishment and tools and plant, etc., for each system and other classes of irrigation works. The figures representing expenditure have been verified by the Examiner, Public Works Accounts, and include the supplemental transactions for March 1903 as far as is yet known—*vide* office-note from the Examiner, dated 11th July 1903, No. 2962 B./Bk.

3. The total expenditure as shown in statement B amounted to Rs. 65,54,138 against a total final grant of Rs. 67,04,739—

—	Final grant.	Expenditure.	Difference—more or less.
Imperial.	RS.	RS.	RS.
35. Protective Works—Irrigation	2,49,500	2,40,218	— 9,282
42. Major Works—Working Expenses ..	14,82,000	14,85,483	+ 3,483
49. Capital Expenditure not charged to Revenue.	7,86,900	7,50,127	— 36,773
Total ..	25,18,400	24,75,828	— 42,572
Provincial.			
33. Famine Relief	..	..	..
43. Minor Works and Navigation	41,73,519	40,65,514	— 1,08,005
Total ..	41,73,510	40,65,514	— 1,08,005
Local.			
43. Minor Works and Navigation	12,820	12,796	— 24
Grand Total ..	67,04,739	65,54,138	— 1,50,601

The total lapse amounts to Rs. 1,50,601 or 2·23 per cent. on the whole grant, but this will, it is anticipated, be considerably reduced by the adjustments yet to be made. This lapse includes lapses under "Establishment" and "land compensation," for which Executive Engineers are not responsible.

4. *35. Protective Works—Irrigation.*—The expenditure on the Rushikulya project exceeded the grant by Rs. 2,502. The outlay shown against the grant sanctioned for the investigation of protective irrigation works is Rs. 1,82,526, leaving a balance of Rs. 11,974 yet to be accounted for. This lapse is chiefly under the head "Establishment".

5. "*42. Major Works (Working expenses).*"—The total outlay on "Works" and "Repairs" under this head exceeded the grant by Rs. 7,566. In the Ganjám division, the short outlay under "Extensions and Improvements" is more than counterbalanced by the excess outlay under "Maintenance and Repairs". In the Gódávari Eastern division, there is excess outlay under both these heads due to adjustments made in the supplemental accounts. In the Gódávari Central there is also an excess under both heads, but the excess being small calls for no remarks. In the Gódávari Western under "Maintenance and Repairs" the excess is Rs. 2,192; this is explained as being due to more work being got through than was anticipated; in view of the difficult character of the working season, this may be accepted. In the Kistna Western division, the grant under "Extensions and Improvements" was exceeded by Rs. 1,044; this excess is attributed to the collection of materials for the execution of works during the closure of canals. In the Nellore division there is short outlay under "Extensions and Improvements" which is more than balanced by excess outlay under "Maintenance and Repairs". In the Tanjore division there is a lapse of Rs. 1,150, due to debits for cement not being received from the Lighthouse division.

6. *49. Capital expenditure not charged to Revenue.*—The total outlay on "Works" under this head was less than the grant by Rs. 10,772. The short outlay occurs in the marginally-noted divisions and is due to the non-adjustment of land compensation charges which the Revenue Department had undertaken to pay before the close of the year. Excluding these lapses for which Executive Engineers are not responsible, the grants for the year have been fully spent. The lapse of Rs. 36,773 shown in paragraph 3 above includes lapses under "Establishment and Tools and Plant". The lapse under "Establishment" occurred chiefly in the Kistna Delta system and was due to a portion of the grant originally allotted for "Works" having been subsequently transferred to meet land compensation charges.

Kistna Eastern division.
" Western "
Nellore division.

7. *Provincial—43. Minor Works and Navigation—Class II. Minor Works and Navigation for which Caiptal and Revenue Accounts are kept—Capital Account.*—Under this head there is a total short outlay of Rs. 5,406. The lapses in the Kistna Northern and in Nellore divisions (*vide* statement A) are due to non-adjustment of land compensation, while the excess outlay in Cuddapah is attributable to the uncertain character of the season, which made accurate forecasting very difficult. In Madura division, there is a small lapse on the grant made for the Peranai regulator during the year under "Provincial—43. Minor Works and Navigation." This portion of the grant was reserved to meet the cost of shutters and engines, etc., supplied by the Public Works Workshops, but apparently no adjustment has been made. The expenditure of the year in all divisions is under the circumstances satisfactory.

Revenue Account.

Class II.

The grants under this head have been very closely worked out.

8. *Classes III and IV.—Other Minor Works for which neither Capital nor Revenue nor Individual Accounts are kept. (a) In charge of the Public Works Department.*—The total outlay under "Original Works" and "Repairs" fell short of the grant by only Rs. 3,169. The short outlay of Rs. 1,241 in the Kistna northern division under

"Original works" is owing to the non-adjustment of land compensation charges to the extent anticipated. The excess outlay of Rs. 1,973 under "Repairs" in the Nellore division is due to a more rapid progress of works than was expected. The short outlay under "Original works" in the Cuddapah division is more than counterbalanced by the excess outlay under "Repairs." The outlay in the Bellary division under "Original works" was short of the grant by Rs. 10,270 which has yet to be accounted for. The lapse in the grant under "Repairs" in this division is partially ascribed to savings on completed works and work done on certain tanks which could not be measured up. The short outlay of Rs. 2,080 in the Kurnool division under "Repairs" represents the unexpended portion of the additional grant made late in the year. The excess outlay under "Original Works" in the Coimbatore division is that incurred by the Cauveri-Bhavâni Investigation Party and is apparently due to a portion of the grant having been surrendered without reference to actual requirements.

9. *Tank Restoration Works.*—The short outlay under this head is only Rs. 1,476 and needs no explanation.

10. *Class IV (b) Minor Works, Revenue Department, executed by Public Works Department officers.*—The total expenditure on these works fell short of the grant by Rs. 4,682. The short outlay under "Repairs" in the Kurnool division amounts to Rs. 1,175, for which the explanation called for from the Sub-Divisional officer is awaited. The short outlay under "Repairs" in the Bellary division is partly covered by the excess expenditure under "Original works" and leaves a balance of Rs. 2,618 yet to be accounted for. The short outlay of Rs. 1,102 under "Original works" in the South Arcot division was more than counterbalanced by the expenditure incurred under "Repairs" without grant.

Class IV. (b) Minor Works, Revenue Department, in charge of Civil Officers acting as Public Works Disbursers.—The outlay fell short of the grant by Rs. 20,594. No explanation of this short outlay is forthcoming in this department as the expenditure on these works is incurred and accounted for by Civil officers.

11. *Class V (Agricultural Works).*—The grants for these works have been very closely worked out with a small excess of Rs. 876.

12. *Local—43. Minor Works and Navigation.*—The grant under this head has been almost fully worked out.

13. *General Remarks.*—The north-east monsoon was both very heavy and prolonged, the result being that as late as the end of February and well into March, tanks were still full and channels carrying a good supply. Such conditions curtail the working season as regards irrigation works very considerably; they also make the forecasting by Executive Engineers of expenditure most difficult. Taking these facts into consideration and also remembering that the grants for the official year just closed were heavier than those for any previous year, the undersigned considers that the results achieved are distinctly satisfactory. The actual lapse on the grant for "Works" was only 0·77 per cent.

(Signed) J. P. DAVIDSON,
Ag. Chief Engineer for Irrigation.

Enclosure.

A.—Statement showing by Divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during 1902–1903.

Divisions.	Imperial. 35. Protective Works—Irrigation. Grant.	35. Outlay.	42. Major Works—Working expenses. Extensions and Improvements. Grant.	Ext. Outlay.	Maintenance and repairs. Grant.	Maint. Outlay.	49. Capital Expenditure not charged to Revenue. Grant.	49. Outlay.	Provincial—43. Minor Works and Navigation. Minor Works for which Capital and Revenue Accounts are kept. Capital account. Grant.	Capital Outlay.	Revenue account. Extensions and improvements. Grant.	Ext. Outlay.	Maintenance and repairs. Grant.	Maint. Outlay.	Minor Works for which neither Capital nor Revenue nor Individual accounts are kept, P.W.D. Original works. Grant.	Original Outlay.	Repairs. Grant.	Repairs. Outlay.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	45,771	48,273	7,000	6,172	46,000	47,039	..	..	34,000	34,668	23,670	23,958	23,967	24,527	4,900	5,363	6,700	6,588
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,000	8,015	10,000	9,998
Gódávari, Eastern	..	..	3,550	5,459	97,583	98,345	2,613	2,821	..	..	..	..	..	..	2,867	2,940	15,250	14,956
,, Central	..	..	10,000	10,402	50,374	51,648	9,515	9,206	..	..	..	..	..	..	..	..	..	..
,, Western	..	..	11,907	11,996	79,500	81,692	36,991	37,134	..	..	..	..	..	..	4,500	4,834	8,500	8,720
Kistna, Eastern	3,500	3,054	13,285	13,008	85,548	86,221	60,100	56,051	..	..	..	..	..	..	..	..	7,375	7,563
,, Northern	160	160	900	900	17,877	18,230	1,04,529	1,04,760	39,082	37,897	300	300	9,298	9,261	47,005	45,764	9,650	10,011
,, Western	..	..	10,500	11,544	1,02,000	1,02,319	1,73,000	1,69,266	..	..	..	..	..	..	..	..	..	..
Nellore	19,000	18,935	19,000	18,040	38,314	39,641	1,37,712	1,35,638	37,000	27,682	..	..	..	..	5,000	5,054	30,000	31,973
Cuddapah	..	..	..	..	..	..	..	..	1,24,207	1,29,899	157	217	3,350	3,532	84,850	70,350	13,500	28,719
Kurnool	800	830	8,928	8,427	49,720	49,966	..	..	17,430	17,153	300	300	1,000	998	4,670	4,396	17,400	15,320
Bellary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	55,868	45,598	59,037	56,711
Salem	..	..	709	718	2,088	2,169	..	..	..	37	..	..	..	..	23,335	23,407	35,328	35,356
Coimbatore	..	..	..	..	..	..	..	..	9,976	10,799	3,722	3,709	15,766	15,944	23,640	32,199	38,500	38,495
West Coast	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,000	1,315	600	857
North Arcot	..	..	..	..	..	..	..	..	7,254	7,256	9,528	9,540	53,862	53,475	9,683	9,959	27,020	26,972
Chingleput	..	..	..	..	..	..	..	..	34,135	33,989	4,385	4,194	98,806	93,970	40,200	40,177	91,087	91,300
South Arcot	..	..	..	..	..	..	..	..	96,851	97,265	11,470	11,476	39,462	39,672	38,572	37,891	39,644	39,828
Tanjore	600	557	8,978	7,828	66,000	65,964	81,634	81,404	9,500	9,507	1,200	811	4,000	4,043	600	501	2,000	1,295
Negapatam	..	..	4,900	4,896	19,900	19,919	4,079	3,953	..	..	..	433	4,276	3,356	..	43	4,000	3,919
Trichinopoly	..	..	550	326	3,700	3,883	..	..	..	57	255	110	2,300	2,490	9,000	8,174	26,700	27,602
Madura	..	..	21,325	20,943	91,534	91,518	41,126	40,912	32,100	29,970	..	..	..	..	4,700	4,928	26,300	26,306
Tinnevelly	..	..	250	256	18,211	18,228	2,878	2,870	..	..	1,000	1,001	5,000	5,000	17,971	17,954	50,395	50,327
Total	69,831	71,809	1,21,782	1,20,915	7,68,349	7,76,782	6,54,177	6,43,405	4,41,535	4,36,129	55,987	56,049	2,56,087	2,56,268	3,85,861	3,68,862	5,18,986	5,32,816
Adjustment of old maintenance charges	..	..	−8,735	−8,735	−1,58,008	−1,58,008	..	..	..	..	−6,672	−6,672	−13,144	−13,144	15,407	15,407	1,71,152	1,71,152
Net Total	69,831	71,809	1,13,047	1,12,180	6,10,341	6,18,774	6,54,177	6,43,405	4,41,535	4,36,129	49,315	49,377	2,42,943	2,43,124	4,01,268	3,84,269	6,90,138	7,03,968

A.—Statement showing by Divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during 1902-1903—*cont.*

Divisions.	Provincial—43. Minor Works and Navigation—*cont.*														Local—43. Minor Works and Navigation.				Grand Total.	
	Tank Restoration Works.		Minor Works—Revenue Department.								Agricultural works.									
	Repairs.		In charge of Public Works Department.				In charge of Civil officers.				Original works.		Repairs.		Original works.		Repairs.			
			Original works.		Repairs.		Original works.		Repairs.											
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	..	..	..	..	..	..	..	..	..	..	1,500	2,098	2,500	1,864	..	..	..	..	1,96,008	2,00,550
Vizagapatam ..	300	276	..	..	50	50	..	..	..	..	140	148	2,200	2,093	..	..	..	..	20,690	20,580
Gódávári, Eastern ..	..	..	4,500	4,577	1,610	1,612	..	..	..	..	37,020	33,817	33,300	34,252	..	..	..	..	1,98,293	1,98,779
,, Central ..	..	..	..	..	..	..	..	..	..	..	53,184	51,460	28,300	28,626	..	..	..	..	1,51,373	1,51,342
,, Western ..	..	..	500	419	..	..	..	..	..	..	5,300	5,216	15,700	14,392	..	..	..	..	1,62,898	1,64,403
Kistna, Eastern ..	..	..	..	..	..	..	..	..	..	..	54,778	55,983	7,824	9,057	..	..	..	..		2,30,937
,, Northern ..	800	874	1,846	1,606	1,454	1,454	..	..	8,100	..	205	199	1,043	1,055	..	..	..	..	8,66,315	2,31,971
,, Western ..	..	..	..	..	..	..	..	..	..	..	6,156	5,189	1,00,000	1,05,429	..	..	..	..		3,93,737
Nellore	65,097	63,923	3,500	3,498	..	..	..	..	..	..	1,500	1,457	3,311	3,458	..	..	..	..	3,58,434	3,48,649
Cuddapah	18,500	18,462	7,250	7,249	1,250	1,632	12,595	..	2,570	13,385	550	550	1,400	1,404	..	..	..	..	2,69,679	2,75,399
Kurnool	4,256	5,267	5,132	4,304	5,520	4,345	1,250	..	3,270	4,263	..	..	..	..	..	..	..	..	1,19,676	1,15,569
Bellary	81,494	81,051	2,600	7,952	10,150	2,180	4,480	..	13,367	16,107	..	23	..	..	..	..	..	..	2,26,996	2,09,622
Salem	27,468	27,589	11,227	11,246	12,662	12,807	..	..	..	..	3,000	3,132	935	926	6,405	6,413	595	595	1,23,747	1,24,396
Coimbatore ..	..	..	..	..	..	..	..	..	5,875	3,636	4,478	4,590	8,474	8,486	2,820	2,820	3,000	2,968	1,16,251	1,23,645
West Coast	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,600	2,172
North Arcot ..	30,861	30,921	150	199	2,103	2,020	588	..	9,242	7,901	..	..	..	..	..	..	..	..	1,50,291	1,48,243
Chingleput ..	23,500	23,446	..	..	540	540	6,282	..	9,313	13,940	5,918	5,630	4,000	3,627	..	..	..	..	3,13,166	3,10,818
South Arcot ..	56,499	55,712	7,400	6,298	..	1,691	10,959	..	1,939	11,517	42,541	42,569	6,800	6,888	..	..	..	..	3,52,137	3,50,807
Tanjore	..	..	..	..	..	..	..	..	..	..	37,000	37,240	1,63,000	1,63,256	..	..	..	..	3,74,512	3,72,406
Negapatam ..	2,500	2,501	..	..	..	..	..	..	..	..	2,400	2,465	22,800	22,913	..	..	..	..	64,856	64,398
Trichinopoly ..	..	..	1,100	1,100	128	— 30	..	..	25,350	25,095	14,292	13,453	51,000	51,020	..	..	..	..	1,34,375	1,33,280
Madura	15,000	14,948	4,284	3,693	3,129	3,037	..	..	..	..	469	..	..	..	..	..	..	..	2,39,967	2,36,255
Tinnevelly	34,850	35,174	415	415	960	884	4,650	..	6,660	10,052	6,258	21,954	1,961	— 13,806	..	..	..	..	1,51,459	1,50,309
Total ..	3,61,120	3,59,644	49,904	52,556	39,556	32,222	40,804	..	85,686	1,05,896	2,76,689	2,87,173	4,54,548	4,44,940	9,225	9,233	3,595	3.563	45,93,722	45,58,262
Adjustment of old maintenance charges.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Net Total ..	3,61,120	3,59,644	49,904	52,556	39,556	32,222	40,804	..	85,686	1,05,896	2,76,689	2,87,173	4,54,548	4,44,940	9,225	9,233	3,595	3,563	45,93,722	45,58,262

B.—Statement showing by Systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902–1903.

—	Final grants for 1902–1903. Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Expenditure incurred in 1902–1903. Original works.	Repairs.	Establishment.	Tools and plant.	Refund of revenue.	Less receipts on Capital account.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
35. Construction of Protective Irrigation Works.												
Rushikulya project	45,771	..	9,029	200	55,000	48,273	..	9,373	60	..	14	57,692
Investigation projects.												
Under special Superintending Engineer	..	..	25,000	..	25,000	..	..	25,154	..	..	..	25,154
Ganjám investigation party	..	..	8,000	..	8,000	..	..	5,700	120	..	..	5,820
Tungabhadra and Pennar projects	..	..	43,100	..	43,100	..	..	32,427	5,722	..	..	38,149
Kistna project	3,500	..	32,000	900	36,400	3,054	..	21,612	1,422	..	..	25,988
Kurnool-Anantapur investigation party	400	..	13,700	1,900	16,000	} 830	..	27,981	3,006	..	..	31,817
Kurnool-Cuddapah canal	400	..	13,740	900	15,040	}						
Nellore investigation party	19,000	..	21,800	2,900	43,700	18,935	..	21,757	7,986	..	..	48,678
Nandyar reservoir project party	600	..	10,500	— 4,000	7,100	557	..	10,186	— 4,022	..	..	6,721
Gundakama reservoir investigation party	160	..	..	..	160	160	..	37	2	..	..	199
Total ..	24,060	..	1,67,840	2,600	1,94,500	23,536	..	1,44,754	14,236	..	..	1,82,526
Total "35" ..	69,831	..	1,76,869	2,800	2,49,500	71,809	..	1,54,127	14,296	..	14	2,40,218
42. Major Works—Working expenses.												
Rushikulya project	7,000	46,000	12,540	600	66,140	6,172	47,039	12,439	375	19	..	66,044
Gódávari delta system	25,457	2,27,457	2,51,498	70,500	5,74,912	27,857	2,31,685	2,51,527	70,451	157	..	5,81,677
Kistna delta system	24,685	2,05,425	2,21,145	44,810	4,96,065	25,452	2,06,770	2,21,677	45,260	256	..	4,99,415
Pennar river canals system	15,091	12,570	27,332	— 47	54,946	14,131	13,897	27,165	— 36	8	..	55,165
Kurnool-Cuddapah canal	8,928	49,720	24,134	1,470	84,252	8,427	49,966	24,871	1,465	1,401	..	86,130
Barur tank project	709	2,088	1,333	..	4,130	718	2,169	1,351	..	12	..	4,250
Cauvery delta system	14,428	— 16,034	51,266	— 600	49,060	13,050	— 15,868	48,071	— 992	58	..	44,319
Srívaikuntam anicut system	— 102	13,003	10,257	— 78	23,080	— 96	13,020	9,986	— 78	4	..	22,836
Periyár project	16,851	70,112	36,679	5,773	1,29,415	16,469	70,096	33,589	5,493	..	..	1,25,647
Total "42" ..	1,13,017	6,10,341	6,36,184	1,22,428	14,82,000	1,12,180	6,18,774	6,30,676	1,21,938	1,915	..	14,85,483
49. Capital expenditure not charged to revenue.												
Gódávari delta system	49,119	..	8,561	..	57,680	49,161	..	12,432	..	..	..	61,593
Kistna delta system	3,37,629	..	62,225	..	3,99,854	3,30,067	..	38,278	93	..	29	3,68,409
Pennar river canals system	1,37,712	..	30,588	..	1,68,300	1,35,088	..	26,967	..	..	..	1,62,005
Cauvery delta system	85,713	..	19,714	2,500	1,07,927	85,358	..	18,461	1,876	..	..	1,05,695
Periyár project	41,126	..	8,474	..	49,600	40,912	..	8,077	..	..	93	48,896
Srivaikuntam anicut system	2,878	..	661	..	3,539	2,869	..	660	..	..	..	3,529
Total "49" ..	6,54,177	..	1,30,223	2,500	7,86,900	6,43,405	..	1,04,875	1,969	..	122	7,50,127
Total Imperial ..	8,37,055	6,10,341	9,43,276	1,27,728	25,18,400	8,27,394	6,18,774	8,89,678	1,38,203	1,915	136	24,75,828

B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902–1903—*cont.*

—	Final grants for 1902–1903.					Expenditure incurred in 1902–1903.						
	Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
PROVINCIAL.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
43. MINOR WORKS AND NAVIGATION.												
Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are kept.												
Capital Account.												
Ganjám minor rivers system ..	34,000	..	7,130	..	41,130	34,668	..	6,197	..	..	..	40,865
Muniyeru project ..	6,000	..	1,380	440	7,820	5,788	..	1,331	..	..	..	7,119
Atmakur tank project ..	3,300	..	759	..	4,059	3,307	..	762	..	..	..	4,069
Jangamahéswaram tank project ..	29,782	..	5,010	..	34,792	28,803	..	3,792	..	..	..	32,595
Ponnalur tank project ..	37,000	..	6,210	..	43,210	27,632	..	6,355	..	..	..	33,987
Karnool-Cuddapah canal ..	17,430	..	3,940	..	21,370	17,153	..	3,934	..	..	..	21,087
Chepaud project ..	1,02,992	..	22,308	..	1,25,300	1,08,350	..	22,567	..	..	..	1,30,917
Vamula tank project ..	21,215	..	4,879	..	26,094	21,215	..	4,879	..	..	..	26,094
Barur " ..	..	..	..	..	..	37	..	..	..	..	..	37
Thadapalli channel system ..	1,747	..	402	..	2,149	1,572	..	362	..	..	..	1,934
Arkenkota " ..	799	..	184	..	983	1,476	..	339	..	..	..	1,815
Kalingaroyen " ..	7,430	..	1,709	..	9,139	7,751	..	1,783	..	..	..	9,534
Palar anicut system ..	7,554	..	1,737	..	9,291	7,555	..	1,664	..	..	..	9,219
Cheyar " ..	3,000	..	690	..	3,690	3,003	..	229	..	..	..	3,232
Lower Coleroon anicut system ..	18,815	..	4,328	..	23,143	18,953	..	3,471	..	..	..	22,424
Tirukkóyilúr " ..	18,000	..	4,139	..	22,139	17,924	..	2,777	..	..	..	20,701
Shatiatope " ..	69,256	..	15,929	..	85,185	69,615	..	1,103	..	..	..	70,718
Mehamattur " ..	280	..	65	..	345	280	..	64	..	..	..	344
Madras water-supply and Irrigation extension ..	5,400	..	1,242	..	6,642	5,362	..	649	..	..	..	6,011
Buckingham canal ..	25,435	..	5,850	..	31,285	25,325	..	3,804	..	..	..	29,129
Periyár project ..	32,100	..	7,383	..	39,483	29,969	..	6,194	..	..	..	36,163
Sagileru project ..	..	..	..	..	..	297	..	69	..	..	..	366
Hajipuram tank project ..	..	..	..	..	..	..	..	..	..	..	..	..
Vallur anicut ..	..	..	..	..	..	..	..	..	..	..	..	..
Vriddhachalam anicut system ..	..	..	..	..	..	..	..	..	..	..	..	..
Nandyar channel system ..	..	..	..	..	..	57	..	13	..	..	..	70
Kanimeru reservoir ..	..	..	..	..	..	37	..	8	..	..	..	45
Total ..	4,41,535	..	95,274	440	5,37,249	4,36,129	..	72,346	..	..	..	5,08,475
Revenue Account.												
Ganjám minor rivers system ..	25,670	23,704	10,946	..	58,320	23,908	24,247	10,074	..	..	..	58,229
Dondapaud tank system ..	..	88	20	..	108	..	71	16	..	..	..	87
Muniyeru project ..	300	9,210	2,192	40	11,742	300	9,190	2,187	38	..	..	11,715
Sagileru " ..	157	3,350	806	..	4,313	217	3,356	796	..	..	..	4,369
Cumbum tank system ..	300	207	117	— 12	612	300	205	117	— 12	..	..	610
Chembrambákkam tank system ..	— 2,093	— 1,597	— 846	— 109	— 4,645	— 2,078	— 1,588	— 875	— 109	..	..	— 4,650
Madras water-supply and Irrigation extension ..	— 3,600	6,300	3,437	— 10	6,127	— 3,781	6,334	2,946	— 10	..	..	5,489
Vallur anicut system ..	— 226	— 572	— 181	— 19	— 998	— 226	— 779	— 248	— 19	..	..	— 1,272

B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902-1903—*cont.*

—	Final grants for 1902-1903. Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Expenditure incurred in 1902-1903. Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
PROVINCIAL—*cont.*												
43. Minor Works and Navigation—*cont.*												
*Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are kept—*cont.												
Revenue Account—*cont.*												
Palar anicut system ..	9,522	49,991	13,738	— 4	73,247	9,528	49,849	13,694	5	..	..	73,076
Poiney do. ..	28	11,300	2,615	..	13,943	27	11,297	2,609	..	..	..	13,933
Cheyar do. ..	2,500	11,962	3,347	..	17,809	2,509	11,720	3,241	..	..	..	17,470
Thadapalli channel system ..	382	6,988	1,725	..	9,095	383	6,310	1,628	..	..	..	8,321
Arkenkota do. ..	700	3,500	971	..	5,171	696	4,354	1,163	..	..	..	6,213
Kalingarayan do. ..	2,640	5,278	1,971	..	9,889	2,630	5,280	1,874	..	..	..	9,784
Tirakkóyilúr anicut system ..	2,625	9,486	2,871	..	14,982	2,639	9,468	2,757	..	..	..	14,864
Mehamattur do. ..	900	2,700	837	— 10	4,427	854	2,700	749	— 10	..	..	4,293
Vriddháchalam do. ..	1,100	2,800	904	..	4,804	1,101	2,798	903	..	..	..	4,802
Shatintope do. ..	1,360	4,906	1,477	65	7,808	1,372	4,930	1,567	..	..	..	7,869
Pelandorai do. ..	700	5,942	1,543	— 2	8,183	700	5,946	1,446	65	..	..	8,157
Lower Coleroon do. ..	5,800	17,060	5,381	..	28,241	5,436	17,305	4,815	..	6	..	27,562
Nandyar channel system ..	255	2,300	596	..	3,151	110	2,490	605	..	..	..	3,205
Maradur anicut system ..	800	500	342	— 71	1,571	801	500	160	— 71	..	..	1,390
Chapaud project ..	..	..	..	..	..	..	176	1	..	..	..	177
Chilka lake canal ..	..	263	62	..	325	50	280	76	..	..	..	406
Buckingham canal ..	1,495	63,001	20,854	3,800	89,150	1,468	63,329	21,843	3,682	8	..	90,330
Védáranniyam canal ..	..	4,276	1,084	150	5,510	433	3,356	976	181	17	..	4,963
Ganjam-Gopalpur canal ..	..	..	13	..	13	..	..	..	..	..	..	..
Total ..	49,315	2,42,943	76,822	3,818	3,72,898	49,377	2,43,124	75,120	3,740	31	..	3,71,392
Classes III and IV.—Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept but for which continuous records of expenditure and revenue are maintained individually and other Minor Works for which neither Capital nor Revenue nor Individual Accounts are kept.												
(*a*) In charge of Public Works Department—												
Old maintenance charges ..	15,407	1,71,152	2,92,125	2,368	4,81,052	15,407	1,71,152	2,92,125	2,368	..	..	4,81,052
Ordinary works ..	3,85,861	5,18,986	2,53,402	26,461	11,84,710	3,68,862	5,32,816	2,30,169	21,775	26	..	11,53,648
Tank restoration works ..	..	3,61,120	83,058	5,420	4,49,598	..	3,59,644	82,327	5,365	..	..	4,47,336
(*b*) In charge of Revenue Department ..	49,904	39,556	20,577	1,342	1,11,379	52,556	32,222	19,622	1,477	..	..	1,05,877
Do. of Civil Officers ..	40,804	85,686	..	..	1,26,490	..	1,05,896	..	..	..	..	1,05,896
Total ..	4,91,976	11,76,500	6,49,162	35,591	23,53,229	4,36,825	12,01,730	6,24,243	30,985	26	..	22,93,809
Class V.—Agricultural Works ..	2,76,689	4,54,548	1,67,981	10,925	9,10,143	2,87,173	4,44,940	1,49,548	10,030	147	..	8,91,838
Total Provincial ..	12,59,515	18,73,991	9,89,239	50,574	41,73,519	12,09,504	18,89,794	9,21,257	44,755	204	..	40,65,514

B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902-1903—*cont.*

—	Final grants for 1902-1903.					Expenditure incurred in 1902-1903.						
	Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
LOCAL.												
43. MINOR WORKS AND NAVIGATION.												
Revenue Accounts are kept—Thadapalli channel system	2,820	..	..	..	2,820	2,820	..	..	..	..	..	2,820
Accounts are not kept	6,405	3,595	..	..	10,000	6,413	3,563	..	..	..	..	9,976
Total ..	9,225	3,595	..	..	12,820	9,233	3,563	..	..	..	..	12,796
Total 35, 42, 43 and 49 ..	21,05,795	24,87,927	19,32,515	1,78,502	67,04,739	20,46,131	25,12,131	18,10,935	1,82,958	2,119	136	65,54,138
PROVINCIAL.												
33. FAMINE RELIEF.												
Minor Works and Navigation	..	..	..	..	..	..	..	..	..	..	..	..

ORDER—No. 796 I., dated 22nd August 1903.

The foregoing note by the Chief Engineer for Irrigation indicates that, during the past official year, in spite of the difficult character of the season at the close of the year, the grants have been almost fully worked out. The Government consider that the above result is most satisfactory and reflects great credit on all the officers concerned, the more so as the grants for the year were exceptionally large.

2. Ordered that a copy of these proceedings be forwarded to the Government of India, with reference to their circular No. 21 P.W., dated 13th December 1882.

[Here enter No. 797 I., dated 22nd August 1903.]

(True Extract.)

(Signed) J. P. DAVIDSON,
Ag. Joint Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" " " Tank Restoration Scheme.
" all Superintending Engineers.
" the Superintending Engineer on special duty.
" the Executive Engineer, Tungabhadra and Penner Projects.
" the Examiner, Public Works Accounts.
" the Revenue Department.
" the Financial Department.

ENDORSEMENT—No. 797 I., dated 22nd August 1903.

Forwarded.

(By order.)

(Signed) J. P. DAVIDSON,
Ag. Joint Secretary to Government,
Irrigation Branch.

Erd, Shaik Karim.

[E. I.] 4,000—16-5-03.

Public Works (1903) Department

(IRRIGATION BRANCH).

CURRENT No. 148.

From

[Name]

[Designation] C

[Station]

No. 2962 B/BK

Dated 11. 7. 1903.

Enclosures { Plans / Others 2 } Total 2

Spare copies

Received 13. 7. 1903

Registered 13. 7. 1903.

SUBJECT.

Statts shewing grants for & expenditure on irrign works during 1902-03 — retg with rem

BACK PAPERS.

J184/03

FURTHER PAPERS.

13/7/03

No. 184

Government of Madras,

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH,

Ootacamund, ~~Madras,~~ 29 May 1903.

OFFICE NOTE.

Encs 2 sheets

From CE

EXAMINER, P. W. ACCOUNTS. 2 - JUN 1903 No. 3719 B

To C

Please have the figures in the accompanying two statements showing the grants for and expenditure on, all irrigation works during 1902-03 verified in your office and the blanks in the statements filled in. As these statements have to be submitted to the Govt of India as soon as possible, please see that there is no delay in returning them. The figures representing outlay should include the suppl. transactions of March

[illegible]
29.5.03
DSI

[illegible]
27/5/03

[Irrign. Form No. 22.
2,000—19-3-02.]

No. 2962 B/BK Dated 11th July 1903.

To

E.I.

Herewith the two statements, the figures in which, have been duly verified and the blanks filled in, including the supplemental transactions for March 1903, as far as known.

R 148/03

W. R. [illegible]
11.7.03

(Enclosures - 2)

For C.

R 148/03
1

Statement A shewing grants & outlay by divisions on irrigation works during 1902-03.

A.– Statement showing by Divisions the Grant for, and the

Divisions	Imperial.					
	35. Protective works – Irrigation		42. Major works – Working expenses.			
			Extensions and improvements		Maintenance and repairs.	
	Grant	Outlay	Grant	Outlay	Grant	Outlay
1	2	3	4	5	6	7
Ganjam	45771	48273 ~~45401~~	7,000	6172 ~~6446~~	46,000	47,039 ~~46,865~~
Vizagapatam	"	"	"	"	"	"
Godaveri Eastern	"	"	3550	5459 ~~3449~~	[illegible]	98,345 ~~97,326~~
" Central	"	"	10,000	10402 ~~10538~~	30274 ~~57,402~~	51,648 ~~51,420~~
" Western	"	"	11,907	11,996 ~~12,024~~	79500 ~~72,172~~	81,692 ~~84,544~~
Kistna Eastern	3500	3054	13,285	13008 ~~13,356~~	85,548	86,221 ~~86,839~~
" Northern	160	160	900	900	17,877	18,230 ~~18,225~~
" Western	"	"	10500	11544 ~~11472~~	102,000	102,319 ~~102,315~~
Nellore	19,000	18,935	19,000	18040 ~~18,023~~	38,314	39,641 ~~39,621~~
Cuddapah	"	"	"	"	"	"
Kurnool	800	820	8928	8427	49,720	49,966 ~~49,985~~
Bellary	"	"	"	"	"	"
Salem	"	"	709	718	2,088	2,169
Coimbatore	"	"	"	"	"	"
West Coast	"	"	"	"	"	"
North Arcot	"	"	"	"	"	"
Chingleput	"	"	"	"	"	"
South Arcot	"	"	"	"	"	"
Tanjore	600	597	8,978	7828 ~~7,870~~	66,000	65,964 ~~65,364~~
Negapatam	"	"	4,900	4,896	19,900	19,919 ~~19,746~~
Trichinopoly	"	"	550	326	3,700	3883
Madura	"	"	21,325	20943 ~~20,144~~	91,534	91,518 ~~91,491~~
Tinnevelly	"	"	250	256 ~~251~~	18,211	18,228
Total	69,831	71,809 ~~71,649~~	121,782	120,915	768,349	7,76,782
Adjustment of Old Maintenance Charges	"	"	– 8,735	– 8,735	– 158,008	– 158,008
Net total	69831	71809 ~~71,649~~	113,047	112180	610341	618774

Expenditure incurred on, Original works and Repairs

49. Capital expenditure not Charged to Revenue		Provincial - 43. Minor works and Navigation							
		Minor works for which Capital and Revenue accounts are kept.						Minor works for which neither Capital nor Revenue nor Individual accts: are kept, P.W.D.	
		Capital account		Revenue account				Original works	
				Extensions and Improvements		Maintenance and Repairs			
Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay
8	9	10	11	12	13	14	15	16	17
〃	〃	34,000	34,668 ~~29,917~~	23,670	23,958 ~~23,223~~	23,967	24,527 ~~23,745~~	4,900	5,363 ~~5,315~~
〃	〃	〃	〃	〃	〃	〃	.	8,000	8,045 ~~7,416~~
2,613	2,821 ~~2,807~~	〃	〃	〃	〃	〃	〃	2,867	2,940
9,515	9,206 ~~8,442~~	〃	〃	〃	〃	〃	〃	〃	〃
36,991	37,134 ~~36,872~~	〃	〃	〃	〃	〃	〃	4,500	4,834 ~~4,837~~
60,100	56,051 ~~51,131~~	〃	〃	〃	〃	〃	〃	〃	
104,529	104,760 ~~103,561~~	39,082	37,897 ~~25,887~~	300	300	9,298	9,261 ~~9,260~~	47,005 ~~46,427~~	45,764 ~~41,283~~ ~~39,126~~
173,000	169,256 ~~148,778~~	〃	〃	〃	〃	〃	〃	〃	〃
137,712	135,038 ~~130,200~~	37,000	27,632	〃	〃	〃	〃	5,000	5,054 ~~5,152~~
〃	〃	124,207	129,899 ~~124,647~~	157	217	3,350	3,532 ~~3,536~~	84,350	79,350 ~~84,205~~
〃	〃	17,430	17,153 ~~17,151~~	300	300 ~~299~~	1000	998	4,670	4,396 ~~2,237~~
〃	〃	〃	〃	〃	〃	〃	〃	55,868	45,598 ~~15,290~~
〃	〃	〃	37	〃	〃	〃	〃	23,336	23,407 ~~23,406~~
〃	〃	9,976	10,799 ~~10,211~~	3,722	3,709 ~~4,096~~	15,766	15,944 ~~16,945~~	27,640 23,640	32,199 ~~15,255~~
〃	〃	〃	〃	〃	〃	〃	〃	4,000	1,315
〃	〃	7,254	7,256 ~~7,253~~	9,528	9,540 ~~9,562~~	53,862	53,475	10,683 ~~9,683~~	19,959 ~~9,759~~
〃	〃	34,135	33,989 ~~33,718~~	4,385	4,194	93,806	93,970 ~~93,853~~	40,200	40,177 ~~40,173~~
〃	〃	96,857	97,265 ~~86,302~~	11,470	11,476 ~~11,554~~	39,462	39,672 ~~39,166~~	38,572	37,891 ~~37,598~~
81,634	81,404 ~~80,763~~	9,500	9,507	1,200	811 ~~812~~	4,000	4,043 ~~3,905~~	600	501
4,079	3,953	〃	〃	〃	433	4,276	3,356 ~~3,373~~	〃	43
〃	〃	〃	57	255	110	2,300	2,490 ~~2,491~~	9,000	8,874
41,126	40,912 ~~40,271~~	32,100	29,970 ~~26,129~~	〃	〃	〃	〃	4,700	4,928
2,678	2,870 ~~2,869~~	〃	〃	1,000	1,001 ~~1,000~~	5,000	5,000	17,971	17,954 ~~17,946~~
6,54,177	6,43,405	4,41,535	4,36,129	55,987	56,049	2,56,087	2,56,268	3,85,861	3,68,862
〃	〃	〃	〃	− 6,672	− 6,672	− 13,144	− 13,144	15,407	15,407
6,54,177	6,43,405	4,41,535	4,36,129	49,315	49,377	2,42,943	2,43,124	4,01,268	3,84,269 ~~3,53,455~~

2

under Irrigation, Navigation and Agricultural

Divisions	Minor works for which neither Capital nor Revenue nor Individual accts. are kept, P.W.D. Costs — Repairs — Grant	Outlay	Tank Restoration works — Repairs — Grant	Outlay	Provincial — Minor w[orks] — In charge of Public works — Original works — Grant	Outlay	Rep[airs] — Grant
	18	19	20	21	22	23	24
Ganjam	6,700	6588 ~~6584~~	"	"	"	"	"
Vizagapatam	10,000	9998 ~~9997~~	300	276	"	"	50
Godaveri Eastern	15,250	14,956 ~~14,902~~	"	"	4,500	4577 ~~4578~~	1610
" Central	"	"	"	"	"	"	"
" Western	8,500	8,720 ~~8698~~	"	"	500	419	"
Kistna Eastern	7,375	7583 ~~7547~~	"	"	"	"	"
" Northern	~~[illegible]~~ 9650	~~[illegible]~~ 10,011	~~9600~~ 800	374 ~~338~~	1,846	~~1606~~	1,454
" Western	"	"	"	"	"	"	"
Nellore	30,050	31,973 ~~31,976~~	65097	63923 ~~63924~~	3,500	3498 ~~3500~~	"
Cuddapah	13,500	28,719 ~~14,747~~	18,500	18462	7,250	7,249	1,250
Kurnool	17,400	15,320 ~~15,321~~	4,256	5267 ~~4234~~	5,132	4,304	5,520
Bellary	59,037	56,711 ~~56,702~~	81,494	81,051 ~~80,906~~	2,600	7,952	10,150
Salem	35,328	35,356 ~~34,906~~	27,463	27,589	11,227	11,246	12,662
Coimbatore	38,500	38,495 ~~38,457~~	"	"	"	"	"
West Coast	600	1,854 ~~2178~~	"	"	"	"	"
North Arcot	27,020	26,972 ~~26,872~~	30,861	30,921 ~~30,474~~	150	199	2103
Chingleput	91,087	94,300 ~~91,284~~	23,500	23,446 ~~23,447~~	"	"	540
South Arcot	39,644	39,828 ~~39,904~~	56,499	55,712 ~~56,702~~	7,400	6298 ~~6,393~~	"
Tanjore	2,000	1295	"	"	"	"	"
Negapatam	4,000	3919 ~~3656~~	2,500	2,501	"	"	"
Trichinopoly	26,700	27,602 ~~27,593~~	"	"	1100	1100	128
Madura	26,300	26,306 ~~26,314~~	15,000	14,948 ~~14,848~~	4,284	3,693 ~~3,637~~	3,129
Tinnevelly	50,395	50,327	34,850	35,174	415	415 ~~292~~	960
Total	5,18,986	5,32,816	3,61,120	3,59,644	49,904	52,556	39,556
Adjustment of Old Maintenance Charges	1,71,152	1,71,152	"	"	"	"	"
Net total	6,90,138	7,03,968	3,61,120	3,59,644	49,904	52,556	39,556

works during 1902 – 03.

Minor works and Navigation. Contd.

	Works — Revenue Department.					Agricultural works.			
	Dept. In charge of Civil Officers.								
	Repairs	Original works		Repairs		Original works		Repairs	
	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay
	25	26	27	28	29	30	31	32	33
	„	„	–	„		1,500	2,098	2,500	1864 ~~1856~~
	50	„	–	„		140	148	2,200	2093 ~~2102~~
	1612	„	–	„		37,020	33817 ~~33105~~	33,300	34,252 ~~34,012~~
	„	„	–	„		53,184	51,460 ~~43,144~~	28,300	28,626 ~~28,409~~
	„	–	–	„		5,300	5216	15,700	14,392 ~~13,072~~
	„	„	–	8,1068		54,778	55,983 ~~47,396~~	7,824	9057 ~~7,824~~
	1454	„	84	8,100		205	199 ~~18~~	1043	1056
	„	„	–	„		6156	5,189	1,00,000	105,429 ~~100,302~~
	„	„	–	„		1,500	1,457	3,311	3,458 ~~3461~~
	1,632 ~~1606~~	12,595	–	2,570	13,385	550	550	1400	1,404 ~~1404~~
	4,345 ~~5300~~	1,250	–	3,270	4,263	„	„	„	„
	2180 ~~10132~~	4,480	–	13,367	16,107	„	20	„	~~23~~
	12,807 ~~12,812~~	„	–	„		3,000	3132	935	926
	„	„	–	6,875	3,636	4,478	4,570 ~~4,480~~	8,474	8,486
	„	„	–	„		„	„	„	„
		„	–	„					
	2020	588	–	9242	7,901	„	„	„	3627
	1,540 ~~541~~	6,282	–	9,313	13,940	5,918	5,630	4,000	~~3000~~
			–						
	1691	10,959	–	1,939	11,517	42,541	42,569 ~~40,569~~	6,800	6,888 ~~6,953~~
	„	„	–	„		37,000 ~~37,692~~	37,240 ~~37,239~~	163,000	169,256 ~~162,986~~
	„	„	–	„		2,400	2,465 ~~1,019~~	22,800	22,913 ~~23,163~~
	– 30	„	–	25,350	25,095	14,292	13,453	51,000	51,020
	3037	„	–	„		469		„	„
	884 ~~1,007~~	4650	–	6,660	10,052	6258	21,954 ~~21,685~~	1961	– 13,806
	32,222	40,804	–	85,686	1,05,896	2,76,689	287,173	4,54,548	444,940
	„	„	„	„	„	„	„	„	„
	32,222	40,804	–	85,686	1,05,896	2,76,689	2,87,173	4,54,548	4,44,940
of this Rs		4480		7370	~~relates to Anantapur~~ relates to Anantapur Dt				

Divisions	Local - 43 ~~Minor~~ works and navigation - Not Kept - Original work Grant	Original work Outlay	Repairs Grant	Repairs Outlay	Grand total Grant	Grand total Outlay
	34	35	36	37	38	39
Ganjam	"	"	"	"	1,96,008	2,00,550
Vizagapatam	"	"	"	"	20,690	20,580
Godaveri Eastern	"	"	"	"	1,98,293	1,98,779
" Central	"	"	"	"	1,51,373	1,51,342
" Western	"	"	"	"	1,62,898	1,64,403
Kistna Eastern	"	"	"	"	8,66,315	2,30,937
" Northern	"	"	"	"		2,31,971
" Western	"	"	"	"		3,93,737
Nellore	"	"	"	"	3,59,434	3,48,649
Cuddapah	"	"	"	"	2,69,679	2,75,399
Kurnool	"	"	"	"	1,19,676	1,15,569
Bellary	"	"	"	"	2,26,996	2,09,622
Salem	6405	~~6412~~ 6413	595	5[illegible]	1,23,747	1,24,396
Coimbatore	~~1,500~~ ~~[illegible]~~ 2820	2820	~~1,500~~ ~~5820~~ 3,000	~~[illegible]~~ 2968	~~1,16,251~~ 1,52,551	1,23,645
West Coast	"	"	"	"	1,600	2,172
North Arcot	"	"	"	"	~~1,50,291~~ 1,51,291	1,48,243
Chingleput	"	"	"	"	3,13,166	3,10,813
South Arcot	"	"	"	"	3,52,137	3,50,807
Tanjore	"	"	"	"	3,74,512	3,72,406
Negapatam	"	"	"	"	64,855	64,398
Trichinopoly	"	"	"	"	1,34,375	1,33,280
Madura	"	"	"	"	2,39,967	2,36,255
Tinnevelly	"	"	"	"	1,51,459	1,50,309
Total	~~7,905~~ ~~6405~~ 9225	~~6413~~ 9233	~~2,095~~ ~~6415~~ 3595	3563	45,93,722	45,58,262
Adjustment of Old Maintenance Charges	"		"		"	"
Net total	~~7,905~~ ~~6405~~ 9225	~~6413~~ 9233	~~2,095~~ ~~6415~~ 3595	3563	45,93,722	45,58,262

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Init. 27/6/78

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Famine Relief - Provincial		Local 43. Minor Works and Navigation - Av Kept Revenue			
		Orgl Works		Repairs	
Grant	Outlay	Grant	Outlay	Grant	Outlay
40	41				
		2820	2820 ~~2819~~	-	-
		2820	2820 ~~2819~~	-	-
		2820	2820 ~~2819~~	-	-

Ordered to Outlay

6.

EXAMINER,
R. W. ACCOUNTS.
2 - JUN 1903

R 148/03
2

Statement B. shewing grants & outlay by Systems & Classes during 1902-03

Construction of Protective Irrigation Works.

Rushikulya project	45.771	"	9029	200	55,000	48273	-	9373	60	-	14	57692
Investigation projects.												
Under Special Supt. Engineer	~~22560~~ 4	"	~~87740~~ 25000	~~17000~~	~~107000~~ 25000	-	-	25,154	-	-	-	25,154
Ganjam investigation party	-	-	8000	"	8000	-	-	5,700	120	-	-	5820
Tungabhadra and Pennar projects	"	"	43,100	"	43,100	-	-	32427	5722	-	-	38149
Kistna project	3500	"	31,600	900	36,400	3054	-	21,512	1422	-	-	25988
Kurnool Anantapur Investigation Party	400	-	13,700	1900	16,[illegible]							
Kurnool Cuddapah Canal	400	-	13,140	900	15,040	830	-	27,981	3006	-	-	31,817
Nellore Investigation Party	19000	-	21800	2900	43,700	18,935	-	21,757	7986	-	-	48,678
Nandyal Reservoir Project Party	600	-	10,500	-4000	7,100	557	-	10,186	-4022	-	-	6721
Gundlakamma Reservoir Investigation Party	160	-	-	-	160	160	-	37	2	-	-	199
Carried over	24060	-	167,840	2600	194,500	23536	-	144,754	14236	-	-	182526
[illegible] Tank Project.	104	2088	1555	-	4,150	718	2109	1551	-	12	-	4250
Cauvery Delta System.	14,428	-16034	57,266	-600	49,060	13,050	-15868	48,071	-992	58	-	44,319

35 Construction of Protective Irrigation Works												
Brought forward	22060	~~1,47,840~~ "	167840 ~~2600~~	2600	194500	23536	-	144764	14236	-	-	182320
Total "35"	69831	"	176869	2800	249500	71809	-	154127	14296	-	14	240218
12. Major works - working expenses.												
Rushikulya project.	7000	46,000	12,540	600	66,140	6,172	47039	12439	375	19	-	66,044
Godavari Delta System	25,457	2,2[illegible]	29,498	70,500	5,74,912	27857	2,31,685	2,51,527	70,451	157	-	5,81,677
Kistna Delta System	24,685	2,05,425	2,21,145	44,810	4,96,065	25452	2,06,770	2,21,677	45260	256	-	4,99,415
Pennar rivers Canals system	15,091	12,570	27,332	-47	54,946	14,131	13,897	27,165	-32	8	-	55,165
Kurnool-Cuddapah Canal	8928	49,720	24,134	1470	84,252	8427	49,966	24,871	1465	1401	-	86,130
Barur tank Project.	709	2,088	1,333	"	4,130	718	2169	1351	-	12	-	4250
Cauvery Delta System.	14,428	-16034	57,266	-600	49,060	13050	-[illegible]	48,071	-992	58	-	44,319

Srivaikuntam anicut System	-102	13,003	10,257	-78	23,080	-96	13,020	9986	-78	4	-	22836
Periyar project.	16,854	70,112	36,679	5,778	129,415	16,469	70,096	33,589	5,493	-	-	125,647
Total "42"	1,13,047	6,10,341	636,184	1,22,428	14,82,000	112,180	6,18,774	6,30,676	1,21,938	1915	-	14,85,483
9. Capital expenditure Not charged to Revenue,												
Godaveri Delta System	49,119	-	8561	-	57,680	49161	-	12,432	-	-	-	61593
Kistna Delta System	3,37,629	.	62,225	.	3,99,854	3,30,067	-	38,278	93	-	29	3,68,409
Pennar river Canals System	1,37,712	.	30,588	.	1,68,300	1,35,038	-	26,964	-	-	-	1,62,005
Cauvery Delta System	85,713	.	19,714	2500	1,07,927	85,358	-	18,461	1876	-	-	1,05,695
Periyar project.	41,126	.	8474	.	49,600	40,912	-	8077	-	-	93	48,896
Srivaikuntam anicut System	2,878	.	661	.	3539	2869	-	660	-	-	-	3529
Total "49"	6,64,177	.	1,30,223	2500	786,900	6,43,405	-	1,04,875	1969	-	122	750127
Total Imperial	837,055	6,10,341	9,43,276	1,27,728	25,18,400	8,27,394	6,18,774	8,89,648	138203	1915	136	24,75,828

A3. Minor ~~works~~ Provincial and Navigation
Class. II ~~—~~ minor works
and Navigation for
which Capital and Revenue
accounts are kept.

Capital Account

Ganjam Minor rivers systems	34,000	„	71,30	„	41,130	34668	-	6197	-	-	.	40865
Munnijeru Project	6,000	„	1380	440	7820	5788	-	1331	-	-	-	7119
Atmakur tank Project	3,300	„	759	„	4,059	3307	-	762	-	-	-	4069
Jangamaheswaram tank Project	29,782	„	50,10	„	34,792	28803	-	3792	-	-	-	32595
Ponnalur tank Project	37,000	„	6210	„	43,210	27632	-	6355	-	-	-	33987
Kurnool Cuddapah Canal	17,430	„	3940	„	21,370	17153	-	3934	-	-	-	21087
Chapaud Project	102,992	„	22,308	„	125,300	108350	-	22567	-	-	-	130917
Vamulu tank Project	21,215	„	4879	„	26,094	21215	-	4879	-	-	-	26094
Barur tank Project	„	„	„	„	„	37	-	-	-	-	-	37
Thadapalli channel system	1,747	„	402	„	2,149	1572	-	362	-	-	-	1934
Athenkota do do	799	„	184	„	983	1476	-	339	-	-	-	1815
Kalingaloyan do do	74.30	„	1709	„	9139	7751	-	1783	-	-	-	9534
Palar Anicut System	7554	„	1737	„	9291	7555	-	1664	-	-	-	9219
Cheyar do do	3,000	„	690	„	3690	3003	-	229	-	-	-	3232
Lower, Coleroon do do	18,815	„	4,328	„	23,143	18953	-	3471	-	-	-	22424
Vrihkojilur Anicut System	18,000	„	4139	„	22,139	17924	-	2777	-	-	-	20,701
Chatiatope do do	69,256	„	15,929	„	85,185	69615	-	1103	-	-	-	70718
Kuchamattur do do	280	„	65	„	345	280	-	64	-	-	-	344

Madras water Supply and Irrigation extension	5,400	-	1242	-	6642	5362	-	649	-	-	-	6011
Buckingham Canal	25,435	-	5,850	-	31,285	25,325	-	3804	-	-	-	29129
Periyar Project	32,100	-	7383	-	39,483	29,969	-	6194	-	-	-	36163
Sagileru Project	-	-	-	-	-	294	-	69	-	-	.	366
Hoppsaram tank Project												
Vallan Anicut												
Vriddhachellam Anicut System												
Naudyar Channel System	.		.		.	67	.	13	.	.	.	70
Kanimeru Reservoir				.	.	37	.	8	.	.	.	45
Carried over	441,535	.	95,274	440	537,249	436,129	-	72,346	-	-	.	508475
Tallur Anicut System	-226	-572	-187	-19	-998	-226	-779	-248	-19	.	.	-1272
Palar Anicut System	9522	49,971	13,758	-4	73,247	9528	49849	13694	5	.	.	73076
Poiney — do — do	28	11,300	2,615	-	13,943	27	11,297	2609	-	-	-	13933
Cheyar — do — do	2,500	11,962	3,347	-	17,809	2509	11720	3241	.	.	.	17470
Sadapalli channel system	382	6,988	1725	-	9,095	383	6310	1628	.	.	.	8321
Arkenkota — do — do	700	3,500	971	-	5,171	696	4354	1163	.	.	.	6213
Kalingarayan — do — do	2,640	5,278	1,971	-	9,889	2630	5280	1874	.	.	.	9784

B. 3	4,41,535	.	95,274	440	5,37,249	4,36,129	.	72,346	.	.	.	5,08,425
Total	4,41,535	..	95,274	440	537,249	4,36,129	.	72,346	.	.	.	508475
Revenue Account.												
Ganjam Minor rivers system	23,670	23,704	14,946	2	58,320	23908	24,247	10074	-	-	-	58,229
Dondapaud tank system	.	88	20	.	108	.	71	16	-	.	-	87
Gunneyeru Project	300	9,210	2192	40	11,742	300	9190	2187	38	.	.	11,715
Sagileru — do —	157	3,350	806	.	4,313	217	3,356	796	.	.	.	4,369
Cumbum tank System	300	207	117	-12	612	300	205	117	-12	.	.	610
Chembrambakam tank System	-2,093	-1,977	-846	-109	-4,645	-2078	-1588	-875	-109	-	.	-4650
Madras water supply and Irrigation extension	-3,800	6,300	3,457	-10	6,127	-3781	6334	2946	-10	.	.	5489
Vallur Anicut System	-226	-572	-187	-19	-998	-226	-779	-248	-19	.	.	-1272
Palar Anicut System	9522	49,991	13,738	-4	73,247	9528	49849	13694	5	.	.	73076
Poiney — do — do —	25	11,300	2615	.	13,943	27	11297	2609	-	-	.	13933
Cheyar — do — do —	2,500	11,962	3347	.	17,809	2509	11720	3241	.	.	.	17470
Chadapalli channel system	382	6,988	1725	.	9095	383	6310	1628	.	.	.	8821
Attenkota — do — do	700	3,500	971	.	5171	696	4354	1163	.	.	.	6213
Kalingarayan — do — do	2640	5278	1971	.	9889	2630	5280	1874	.	.	.	9784

Tirukoyilur Anicut System	2625	9486	2871	.	14,982	2639	9468	2757	.	.		-	14.864
Inchamattur do do	900	2,700	837	-10	4427	854	2700	749	-10	.		-	4293
Vridhachalam do do	1,100	2800	904	"	4,804	1101	2798	903		.		-	4802
Chatiatope do do	1360	4,906	1477	65	7808	1372	4930	1567	.				7869
Pelandorai do do	700	5742	1543	-2	8183	700	5946	1446	65	.			8157
Lower Coleroon do do	5800	17,060	5381	"	28,241	5436	17305	4815	.	6	0	.	27562
Vandyar Channel System	255	2,300	596	"	3151	110	2490	605	.	.			3205
Maradur Anicut System	800	500	342	-71	1571	801	500	160	-71	.		-	1390
Chepaud Project						.	176	1	.	.		.	177
Chelka lake Canal	.	263	62	"	325	50	280	76	.	.		.	406
Buckingham do	1495	63,001	20,854	3800	89150	1468	63329	21843	3682	8		.	90330
Vedaraniam do	"	4,276	1,084	150	5510	433	3356	976	181	17		.	4963
Ganjam-Gopalpur Canal	"	"	13	-	13	.	-	-	-	-	-	-	-
Total	49,315	242,743	76,822	3,818	372,898	49377	2,43124	75120	3740	31		.	3,71,392

~~Classes II & IV Minor works~~ and Navigation for which ~~Capital and Revenue~~ ~~accounts are kept, but for which~~ Capital not Revenue nor continuous records of expenditure ~~are maintained~~ individually, and other Minor works for which neither Capital nor Revenue nor individual accts. are kept.

(a) in charge of P. W. D.

B. Statement showing by Systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural works during 1902-03.

	Final grants for 1902-03.					Expenditure incurred in 1902-03.						
	Original works	Repairs	Establishment	Tools and plant	Total	Original works	Repairs	Establishment	Tools and plant	Refunds of Revenue	Less receipts on Capital account	Total
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs

												4.81.0[illegible]
..ld Maintenance charges	15,407	1,71,152	2,92,125	2,368	4,81,052	15407	171152	292125	2368	.	.	
Ordinary works	3,85,861	5,18,986	2,53,403 (2,53,402)	26460 (26461)	11,84,710	368862	532816	230169	21775	26	.	11.53.648
..ank restoration works	.	3,61,120	83,058	5,420	4,49,598	-	359644	82327	5365	.	.	4.47.336
..) in charge of Revenue department	48,904	39,556	20,577	1,342	1,11,379	52556	32222	19622	1477	.	.	105.877
do in charge of Civil officers	40,804	85,686	.	.	1,26,490	-	105896	.	.	.	.	105.896
Total	4,91,976	11,76,500	6,49,163 (649162)	35590 (35591)	23,53,229	436825	1201730	624243	30985	26	.	2293.809
..lass V. Agricultural works	2,76,689	4,54,548	1,67,979 (167981)	10,927 (10925)	9,10,143	287173	444940	149548	10030	147	.	891838
Total Provincial	1259515	1873991	989238 (989239)	50775 (50574)	4173519	1209504	1889794	921257	44755	204	.	4065.514
Local												
~~..B. Minor Works and State~~	~~6405~~	~~6415~~	.	.	~~12,820~~							
gation fund					2820	2820			.	.	.	2820
Revenue Acct. kept Irrigation ..	2820 / 6405	3595			10000	6413	3563			.	.	9970
Acct. not kept	9225	3595			12820	9233	3563					12,790
Total 35, 42, 43 and 49	2102975 (2105795)	~~2440747~~	1932514 (1932515)	~~178503~~ (178502)	6704739	2046131	2512131	1810935	182958	2119	136	6554138
	2105795	2487927										
Provincial. 33. Famine Relief. Minor works and Navigation	-	-	-	-	-	-	-	-	-	-	-	-

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PWC 8617
Recd Mgd 22-8-03
Encl 3.

H.E. the Governor.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

To the Examiner, P. W. acct. No 184 R 29.5.03
from do No. 2962 B/Bk. dt. 11.7.03.

Print with Statements A & B

Note by the Chief Engineer for Irrigation. No 169 I 14.8.03

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The accompanying two statements which compare the expenditure incurred on Irrigation, Navigation and Agricultural Works during 1902-03 with the final grants for the year are submitted to Government with reference to G.O. No. 141 W, dated 13th January 1883

2. Statement A shows by Divisions the grants for, and expenditure on, "original works" and "repairs" under the several heads, and Statement B shows the total grants and expenditure including Establishment and Tools and Plant &c for each system and other classes of irrigation works. The figures representing expenditure have been verified by the Examiner, Public Works Accounts, and include the supplemental transactions for March 1903 as far as is yet known, (Vide Office-Note from the Examiner dated 11th July 1903 No. 2962 B/Bk.).

3. The total expenditure as shown in

Statement

Statement B amounted to Rs. 65,54,138 against a total final grant of Rs. 67,04,739.

	Final grant	Expenditure	Difference more or less
Imperial.			
35. Protective Works-Irrigation.	2,49,500.	2,40,218	— 9,282.
42- Major Works- Working expenses.	14,82,000.	14,85,483.	+ 3,483.
49. Capital Expenditure not charged to Revenue.	7,86,900.	7,50,127.	—36,773.
Total.	25,18,400.	24,75,828.	—42,572.
Provincial.			
33. Famine Relief	..	..	..
43. Minor works and Navigation	41,73,519	40,65,514	-1,08,005
Total	41,73,519	40,65,514	-1,08,005
Local.			
43. Minor works and Navigation.	12,820	12,796	— 24
Grand Total	67,04,739	65,54,138	- 1,50,601

The total lapse amounts to Rs 1,50,601 or 2.23 % on the whole grant, but this will, it is anticipated, be considerably reduced by the adjustments yet to be made.

3 P

This lapse includes lapses under "Establishment" and "land compensation", for which ~~[illegible] [illegible]~~ Executive Engineers are not responsible.

4.35 Protective Works. Irrigation.

The expenditure on the Rushikulya project exceeded the grant by Rs. 2,502. The outlay shown against the grant sanctioned for the investigation of protective irrigation works is Rs. 1,82,526, leaving a balance of Rs. 11,974 yet to be accounted for. This lapse is chiefly under the head "Establishment".

5.42- Major Works (Working expenses).

The total outlay on "Works" and "Repairs" under this head exceeded the grant by Rs. 7,566. In the Ganjam -- Division, the short outlay under "Extensions and Improvements" is more than counterbalanced by the excess outlay under "Maintenance and Repairs". In the Godavari Eastern Division, there is excess outlay under both these heads due to adjustments made in the Supplemental accounts. In the Godavari -- Central there is also an excess under both heads, but the excess being small calls for no remarks. In the Godavari Western under "Maintenance and Repairs" the excess is Rs. 2,192; this is explained as being due to more work being got through than was anticipated, in view of the difficult character of the work

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working season, this may be accepted. In the Kistna Western Division, the grant under "Extensions and Improvements" was exceeded by Rs. 1,044; this excess is attributed to the collection of materials for the execution of works during the closure of canals. In the Nellore Division there is short outlay under "Extensions and Improvements" which is more than balanced by excess outlay under "Maintenance and Repairs" In the Tanjore Division there is a lapse of Rs. 1,150, due to debits for cement not being received from the Lighthouse Division.

6. 49- Capital Expenditure not charged to Revenue.

The total outlay on "Works" under this head was less than the grant by Rs. 10,772. The short outlay occurs in the marginally-noted Divisions and is due to the non-adjustment of land compensation charges which the Revenue Department had undertaken ~~for which Executive Engineers are not responsible~~ to pay before the close of the year. Excluding these lapses for which Executive Engineers are not responsible the grants for the year have been fully spent. The lapse of Rs. 36,773 shown in para 3 above includes lapses under "Establishment and Tools and Plant" The lapse under "Establishment" occurred chiefly in the Kistna Delta system and was due to a portion of the grant originally allotted for "Works" having been subsequently transferred to

Kistna-Eastern Division
" Western "
Nellore Division.

meet

48

meet land compensation charges.

7. Provincial- 43- Minor Works and Navigation . Class II- Minor Works and Navigation for which Capital and Revenue Accounts are kept.-- Capital Account.

Under this head there is a total short outlay of Rs. 5,406. The lapses in the Kistna Northerm and in Nellore division (Vide Statement A) are due to non-adjustment of land compensation, while the excess outlay in Cuddapah is attributable to the uncertain character of the --- season, which made accurate forecasting very difficult. In Madura Division, there is a small lapse on the grant made for the Peranai Regulator during the year under "Provincial- 43- Minor Works and Navigation" . This portion of the grant was reserved to meet the cost of shutters and engines &c supplied by the Public Works Workshops, but apparently no adjustment has been made The expenditure of the year in all Divisions is under the circumstances satisfactory.

Revenue Account.

Class II

The grants under this head have been very closely worked out

8. Classes III and IV- Other Minor Works for which neither Capital nor Revenue nor individual accounts are kept. (a) In charge of the P.W. Dept.

The total outlay under

Original

"Original Works" and "Repairs" fell short of the grant by only Rs. 3,169. The short outlay of Rs. 1,241 in the Kistna Northern Division under "Original Works" is owing to the non-adjustment of land compensation charges to the extent anticipated. The excess outlay of Rs. 1,973 under "Repairs" in the Nellore Division is due to a more rapid progress of works than was expected. The short outlay under ("Original Works") in the Cuddapah Division is more than counter-balanced by the excess outlay under "Repairs" The outlay in the Bellary Division under "Original Works" was short of the grant by Rs. 10,270 which has yet to be accounted for. The lapse in the grant under "Repairs" in this Division is partially ascribed to savings on completed works and work done on certain tanks which could not be measured up. The short outlay of Rs. 2,080 in the Kurnool Division under "Repairs" represents the unexpended portion of the additional grant made late in the year. The excess outlay under "Original Works" in the Coimbatore Division is that incurred by the Cauveri-Bhavani Investigation Party and is apparently due to a portion of the grant having been surrendered without reference to actual requirements.

9. Tank Restoration Works.

The short outlay under this head is only Rs. 1,476 and needs no explanation.

10. Class IV (b), Minor Works, Revenue Department executed by P.W.D. Officers

The total expenditure on these works fell short of the grant by Rs. 4,682. The short outlay under "Repairs" in the Kurnool Division -- amounts to Rs. 1,175, for which the -- explanation called for from the Sub-Divisional Officer is awaited. The short outlay under "Repairs" in the Bellary Division is partly covered by the excess expenditure under "Original Works" and leaves a balance of Rs. 2,618 yet to be accounted for. The short outlay of Rs. 1,102 under "Original Works" in the South Arcot Division was more than counter-balanced by the expenditure incurred under "Repairs" without grant.

Class IV (b), Minor Works, Revenue Department in charge of Civil Officers acting as Public Works Disbursers.

The outlay fell short of the grant by Rs. 20,594. No explanation of this short outlay is forthcoming in this Department as the expenditure on these works is incurred and accounted for by Civil Officers.

11. Class V (Agricultural Works).

The grants for these works have been very closely worked out with a small excess of Rs. 876.

12. Local 43- Minor Works and Navigation.

The grant under this head has been almost fully worked out.

13. General Remarks.

The North-East Monsoon was both very heavy and prolonged, the result being that as late as the end of February and well into March, tanks were still full and channels carrying a good supply. Such conditions curtail the working season as regards irrigation works very considerably ; they also make the forecasting by Executive Engineers of expenditure most difficult. Taking these facts into consideration and also remembering that the grants for the official year just closed were heavier than those for any previous year, the undersigned considers that the results achieved are distinctly satisfactory. The actual lapse on the grant for "Works" was only 0.77 per cent.

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Order No 796 I (I) 22.8.03

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The foregoing note by the Chief Engineer for Irrigation indicates that, during the past official year, in spite of the difficult character of the season at the close of the year, the grants have been almost fully worked out. The Government consider that the above result is most satisfactory and reflects great credit on all the Officers concerned, the more so as

18-8-03

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the grants for the year were exceptionally large.

2. Ordered that a copy of these proceedings be forwarded to the Government of India with reference to their Circular No. 21 P.W. dated 13th December 1882.

H.E. No. 797 I, dated 22.8.03

Endorsement.

Forwarded.

16/8/03
B.9.

14/8/03
I.

DESPATCHED
12 SEP 1903

To the Chief Engr. for Irrigation.

" " T.R.S.

" All Superintending Engineers.

" Supg Engr. on Spl. duty -

To the Examiner P.W. Accounts.

" Revenue Department.

" Financial Department.

" The Co Engr. Tungabhadra & Bhima project

DESPATCHED
12 SEP 1903

A.—STATEMENT showing by Divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during 1902–1903.

Divisions.	Imperial.								Provincial—48. Minor Works and Navigation.									
	35. Protective Works—Irrigation.		42. Major Works—Working expenses.				49. Capital Expenditure not charged to Revenue.		Minor Works for which Capital and Revenue Accounts are kept.						Minor Works for which neither Capital nor Revenue nor Individual accounts are kept, P.W.D.			
			Extensions and Improvements.		Maintenance and repairs.				Capital account.		Revenue account.				Original works.		Repairs.	
											Extensions and improvements.		Maintenance and repairs.					
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	45,771	48,273	7,000	6,172	46,000	47,039	..	..	34,000	34,668	23,670	23,958	23,967	24,527	4,900	5,363	6,700	6,588
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,000	8,015	10,000	9,998
Gódávari, Eastern ..	..	..	3,550	5,459	97,583	98,345	2,613	2,821	..	..	..	..	..	..	2,867	2,940	15,250	14,956
,, Central ..	..	..	10,000	10,402	50,374	51,648	9,515	9,206	..	..	..	..	..	..	..	..	..	..
,, Western ..	..	..	11,907	11,996	~~79,000~~ 79,500	81,692	36,991	37,134	..	..	..	..	..	..	4,500	4,834	8,500	8,720
Kistna, Eastern	3,500	3,054	13,285	13,008	85,548	86,221	60,100	56,051	..	..	..	..	..	..	..	..	7,375	7,563
,, Northern	160	160	900	900	17,877	18,230	1,04,529	1,04,760	39,082	37,897	300	300	9,298	9,261	47,005	45,764	9,650	10,011
,, Western	..	..	10,500	11,544	1,02,000	1,02,319	1,73,000	1,69,256	..	..	..	..	..	..	..	..	..	..
Nellore	19,000	18,935	19,000	18,040	38,314	39,641	1,37,712	1,35,038	37,000	27,632	..	..	..	..	5,000	5,054	30,000	31,973
Cuddapah	..	..	..	..	..	..	..	..	1,24,207	1,29,899	157	217	3,350	3,532	84,350	70,350	13,500	28,719
Kurnool	800	830	8,928	8,427	49,720	49,966	..	..	17,430	17,153	300	300	1,000	998	4,670	4,396	17,400	15,320
Bellary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	55,868	45,598	59,037	56,711
Salem	..	..	709	718	2,088	2,169	..	..	..	37	..	..	..	..	23,335	23,407	35,328	35,356
Coimbatore	..	..	..	..	..	..	..	..	9,976	10,799	3,722	3,709	15,766	15,944	22,640	32,199	38,500	38,495
West Coast	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,000	1,315	600	857
North Arcot	..	..	..	..	..	..	..	..	7,254	7,256	9,528	9,540	53,862	53,475	~~10,683~~	9,959	27,020	26,972
Chingleput	..	..	..	..	..	..	..	..	34,135	33,989	4,385	4,194	93,806	93,970	40,200	40,177	91,087	91,300
South Arcot	..	..	..	..	..	..	..	..	96,851	97,265	11,470	11,476	39,462	39,672	38,572	37,891	39,644	39,828
Tanjore	600	557	8,978	7,828	66,000	65,964	81,634	81,404	9,500	9,507	1,200	811	4,000	4,043	600	501	2,000	1,295
Negapatam	..	..	4,900	4,896	19,900	19,919	4,079	3,953	..	..	..	433	4,276	3,356	..	43	4,000	3,919
Trichinopoly	..	..	550	326	3,700	3,883	..	..	..	57	255	110	2,300	2,490	9,000	8,174	26,700	27,602
Madura	..	..	21,325	20,943	91,534	91,518	41,126	40,912	32,100	29,970	..	..	..	..	4,700	4,928	26,300	26,306
Tinnevelly	..	..	250	256	18,211	18,228	2,878	2,870	..	..	1,000	1,001	5,000	5,000	17,971	17,954	50,395	50,327
Total ..	69,831	71,809	1,21,782	1,20,915	7,68,349	7,76,782	6,54,177	6,43,405	4,41,535	4,36,129	55,987	56,049	2,56,087	2,56,268	3,85,861	3,68,862	5,18,986	5,32,816
Adjustment of old maintenance charges	..	..	−8,735	−8,735	−1,58,008	−1,58,008	..	..	..	..	−6,672	−6,672	−13,144	−13,144	15,407	15,407	1,71,152	1,71,152
Net Total ..	69,831	71,809	1,13,047	1,12,180	6,10,341	6,18,774	6,54,177	6,43,405	4,41,535	4,36,129	49,315	49,377	2,42,943	2,43,124	4,01,268	3,84,269	6,90,138	7,03,968

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A.—Statement showing by Divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during 1902–1903—*cont.*

Divisions.	Provincial—43. Minor Works and Navigation—*cont.*														Local—43. Minor Works and Navigation ~~for which neither Capital nor Revenue nor Individual accounts are not kept.~~				~~General~~ Grand Total.	
	Tank Restoration Works.		Minor Works—Revenue Department.								Agricultural works.									
	Repairs.		In charge of Public Works Department.				In charge of Civil officers.				Original works.		Repairs.		Original works.		Repairs.			
			Original works.		Repairs.		Original works.		Repairs.											
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	..	..	..	..	..	..	..	..	..	..	1,500	2,098	2,500	1,864	..	..	..	..	1,96,008	2,00,550
Vizagapatam ..	300	276	..	..	50	50	..	..	..	..	140	148	2,200	2,093	..	..	..	..	20,690	20,580
Gódávari, Eastern ..	..	..	4,500	4,577	1,610	1,612	..	..	..	..	37,020	33,817	33,300	34,252	..	..	..	..	1,98,293	1,98,779
" Central ..	..	..	..	..	..	..	..	..	..	..	53,184	51,460	28,300	28,626	..	..	..	..	1,51,373	1,51,842
" Western ..	..	..	500	419	..	..	..	..	..	..	5,300	5,216	15,700	14,392	..	..	..	..	1,62,898	1,64,403
Kistna, Eastern ..	..	..	..	..	..	..	..	..	..	..	64,778	55,983	7,824	9,057	..	..	..	..	—	2,30,937
" Northern ..	800	874	1,846	1,606	1,454	1,454	..	..	8,100	..	205	199	1,043	1,055	..	..	..	..	8,66,315	2,31,971
" Western ..	..	..	..	..	..	..	..	..	..	..	6,156	5,189	1,00,000	1,05,429	..	..	..	..	—	3,93,737
Nellore	65,097	63,923	3,500	3,498	..	..	..	..	..	..	1,500	1,457	3,311	3,458	..	..	..	..	3,59,434	3,48,649
Cuddapah	18,500	18,462	7,250	7,249	1,250	1,632	12,595	..	2,570	13,885	550	550	1,400	1,404	..	..	..	..	2,69,679	2,75,399
Kurnool	4,256	5,267	5,132	4,304	5,520	4,345	1,250	..	3,270	4,263	..	..	..	..	..	..	..	..	1,19,676	1,15,569
Bellary	81,494	81,051	2,600	7,952	10,150	2,180	4,480	..	18,367	16,107	..	23	..	..	..	..	..	..	2,26,996	2,09,622
Salem	27,463	27,589	11,227	11,246	12,662	12,807	..	..	..	..	3,000	3,132	935	926	6,405	6,413	595	595	1,23,747	1,24,396
Coimbatore ..	..	..	..	..	..	..	..	..	5,875	3,636	4,478	4,590	8,474	8,486	2,820	2,820	3,000	2,968	~~1,15,251~~	1,23,645
West Coast	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,600	2,172
North Arcot ..	30,861	30,921	150	199	2,103	2,020	588	..	..	..	..	..	..	..	..	..	..	..	~~1,51,291~~	1,48,243
Chingleput ..	23,500	23,446	..	..	540	540	6,282	..	9,242	7,901	5,918	5,630	4,000	3,627	..	..	..	..	3,13,166	3,10,818
South Arcot ..	56,499	55,712	7,400	6,298	..	1,691	10,959	..	9,313	13,940	42,541	42,569	6,800	6,888	..	..	..	..	3,52,137	3,50,807
Tanjore	..	..	..	..	..	..	..	..	1,939	11,517	37,000	37,240	1,63,000	1,63,256	..	..	..	..	3,74,512	3,72,406
Negapatam ..	2,500	2,501	..	..	..	..	..	..	..	..	2400	2,465	22,800	22,913	..	..	..	..	64,855	64,398
Trichinopoly ..	..	..	1,100	1,100	128	— 30	..	..	25,350	25,095	14,292	13,453	51,000	51,020	..	..	..	..	1,34,375	1,33,280
Madura	15,000	14,948	4,284	3,693	3,129	3,037	..	..	..	..	469	..	..	..	..	..	..	..	2,39,967	2,36,255
Tinnevelly	34,850	35,174	415	415	960	884	4,650	..	6,660	10,052	6,258	21,954	1,961	— 13,806	..	..	..	..	1,51,459	1,50,309
Total ..	3,61,120	3,59,644	49,904	52,556	39,556	32,222	40,804	..	85,686	1,05,896	2,76,689	2,87,173	4,54,548	4,44,940	9,225	9,233	3,595	3,563	45,93,722	45,58,262
Adjustment of old maintenance charges.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Net Total ..	3,61,120	3,59,644	49,904	52,556	39,556	32,222	40,804	..	85,686	1,05,896	2,76,689	2,87,173	4,54,548	4,44,940	9,225	9,233	3,595	3,563	45,93,722	45,58,262

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B.—STATEMENT showing by Systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902–1903.

—	Final grants for 1902–1903.					Expenditure incurred in 1902–1903.						
	Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refund of revenue.	Less receipts on Capital account.	Total.
35. Construction of Protective Irrigation Works.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Rushikulya project	46,771	..	9,029	200	55,000	48,273	..	9,373	60	..	14	57,692
Investigation projects.												
Under special Superintending Engineer	..	..	25,000	..	25,000	..	..	25,154	..	..	..	25,154
Ganjám investigation party	..	..	8,000	..	8,000	..	..	5,700	120	..	..	5,820
Tungabhadra and Pennar projects	..	..	43,100	..	43,100	..	..	32,427	5,722	..	..	38,149
Kistna project	3,500	..	32,000	900	36,400	3,054	..	21,512	1,422	..	..	25,988
Kurnool-Anantapur investigation party	400	..	18,700	1,900	16,000	} 830	..	27,981	3,006	..	..	31,817
Kurnool-Cuddapah canal	400	..	13,740	900	15,040							
Nellore investigation party	19,000	..	21,800	2,900	43,700	18,935	..	21,757	7,986	..	..	48,678
Nandyar reservoir project party	600	..	10,500	— 4,000	7,100	557	..	10,186	— 4,022	..	..	6,721
Gundakama reservoir investigation party	100	..	..	..	160	160	..	37	2	..	..	199
Total ..	24,060	..	1,67,840	2,600	1,94,500	23,536	..	1,44,754	14,236	..	..	1,82,526
Total "35" ..	69,831	..	1,76,869	2,800	2,49,500	71,809	..	1,54,127	14,296	..	14	2,40,218
42. Major Works—Working expenses.												
Rushikulya project	7,000	46,000	12,540	600	66,140	6,172	47,039	12,439	375	19	..	66,044
Gódávari delta system	25,457	2,27,457	2,51,498	70,500	5,74,912	27,857	2,31,685	2,51,527	70,451	157	..	5,81,677
Kistna delta system	24,685	2,05,425	2,21,146	44,810	4,96,066	25,452	2,06,770	2,21,677	45,260	256	..	4,99,415
Pennar river canals system	15,091	12,570	27,332	— 47	54,946	14,131	13,897	27,165	— 36	8	..	55,165
Kurnool-Cuddapah canal	8,928	49,720	24,134	1,470	84,252	8,427	49,966	24,871	1,465	1,401	..	86,130
Barur tank project	709	2,088	1,333	..	4,130	718	2,169	1,351	..	12	..	4,250
Cauvery delta system	14,428	— 16,034	51,266	— 600	49,060	13,050	— 15,868	48,071	— 992	58	..	44,319
Srivaikuntam anicut system	— 102	13,003	10,257	— 78	23,080	— 96	13,020	9,986	— 78	4	..	22,836
Periyár project	16,851	70,112	36,679	5,773	1,29,415	16,469	70,096	33,589	5,493	..	..	1,25,647
Total "42" ..	1,13,047	6,10,341	6,36,184	1,22,428	14,82,000	1,12,180	6,18,774	6,30,676	1,21,938	1,916	..	14,85,483
49. Capital expenditure not charged to revenue.												
Gódávari delta system	49,119	..	8,561	..	57,680	49,161	..	12,432	..	..	..	61,593
Kistna delta system	3,37,629	..	62,225	..	3,99,854	3,30,067	..	38,278	93	..	29	3,68,409
Pennar river canals system	1,37,712	..	30,588	..	1,68,300	1,35,038	..	26,967	..	..	..	1,62,005
Cauvery delta system	85,713	..	19,714	2,500	1,07,927	85,368	..	18,461	1,876	..	..	1,05,695
Periyár project	41,126	..	8,474	..	49,600	40,912	..	8,077	..	..	93	48,896
Srivaikuntam anicut system	2,878	..	661	..	3,539	2,869	..	660	..	..	..	3,529
Total "49" ..	6,54,177	..	1,30,223	2,500	7,86,900	6,43,405	..	1,04,875	1,969	..	122	7,50,127
Total Imperial ..	8,37,055	6,10,341	9,43,276	1,27,728	25,18,400	8,27,394	6,18,774	8,89,678	1,38,203	1,915	136	24,75,828

B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902-1903—*cont.*

—	Final grants for 1902-1903.					Expenditure incurred in 1902-1903.						
	Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
PROVINCIAL.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
43. MINOR WORKS AND NAVIGATION.												
Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are kept.												
Capital Account.												
Ganjam minor rivers system	34,000	..	7,130	..	41,130	34,668	..	6,197	..	..	..	40,865
Munfyeru project	6,000	..	1,380	440	7,820	5,788	..	1,331	..	..	..	7,119
Atmakur tank project	3,300	..	759	..	4,059	3,307	..	762	..	..	..	4,069
Jangamaheswaram tank project	29,782	..	5,010	..	34,792	28,803	..	3,792	..	..	..	32,595
Ponnalur tank project	37,000	..	6,210	..	43,210	27,632	..	6,355	..	..	..	33,987
Kurnool-Cuddapah canal	17,430	..	3,940	..	21,370	17,153	..	3,934	..	..	..	21,087
Chepaud project	1,02,992	..	22,308	..	1,25,300	1,08,350	..	22,567	..	..	..	1,30,917
Vamula tank project	21,215	..	4,879	..	26,094	21,215	..	4,879	..	..	..	26,094
Barur "	..	..	..	..	..	37	..	..	..	..	..	37
Thadapalli channel system	1,747	..	402	..	2,149	1,572	..	362	..	..	..	1,934
Arkenkota "	799	..	184	..	983	1,476	..	339	..	..	..	1,815
Kalingaroyen "	7,430	..	1,709	..	9,139	7,751	..	1,783	..	..	..	9,534
Palar anicut system	7,554	..	1,737	..	9,291	7,555	..	1,664	..	..	..	9,219
Cheyar "	3,000	..	690	..	3,690	3,003	..	229	..	..	..	3,232
Lower Coleroon anicut system	18,815	..	4,328	..	23,143	18,953	..	3,471	..	..	..	22,424
Tirukkóyilúr "	18,000	..	4,139	..	22,139	17,924	..	2,777	..	..	..	20,701
Shatiatope "	69,256	..	15,929	..	85,185	69,615	..	1,103	..	..	..	70,718
Mehamattur "	280	..	65	..	345	280	..	64	..	..	..	344
Madras water-supply and Irrigation extension	5,400	..	1,242	..	6,642	5,362	..	649	..	..	..	6,011
Buckingham canal	25,435	..	5,850	..	31,285	25,325	..	3,804	..	..	..	29,129
Periyar project	32,100	..	7,383	..	39,483	29,969	..	6,194	..	..	..	36,163
Sagileru project	..	..	..	..	..	297	..	69	..	..	..	366
Højipuram tank project	..	..	..	..	..	..	..	..	..	..	..	..
Vallur anicut	..	..	..	..	..	..	..	..	..	..	..	..
Vriddhachalam anicut system	..	..	..	..	..	..	..	..	..	..	..	..
Nandyar channel system	..	..	..	..	..	57	..	13	..	..	..	70
Kanimeru reservoir	..	..	..	..	..	37	..	8	..	..	..	45
Total	4,41,535	..	95,274	440	5,37,249	4,36,129	..	72,346	..	..	..	5,08,475
Revenue Account.												
Ganjám minor rivers system	23,670	23,704	10,946	..	58,320	23,908	24,247	10,074	..	..	..	58,229
Dondapaud tank system	..	88	20	..	108	..	71	16	..	..	..	87
Muniyeru project	300	9,210	2,192	40	11,742	300	9,190	2,187	38	..	..	11,715
Sagileru "	157	3,350	806	..	4,313	217	3,356	796	..	..	..	4,369
Cumbum tank system	300	207	117	— 12	612	300	205	117	— 12	..	..	610
Chembrambákkam tank system	— 2,093	— 1,597	— 846	— 109	— 4,645	— 2,078	— 1,588	— 875	— 109	..	..	— 4,650
Madras water-supply and Irrigation extension	— 3,600	6,300	3,437	— 10	6,127	— 3,781	6,334	2,946	— 10	..	..	5,489
Vallur anicut system	— 226	— 572	— 181	— 19	— 998	— 226	— 779	— 248	— 19	..	..	— 1,272

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B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902–1903—*cont.*

—	Final grants for 1902–1903.					Expenditure incurred in 1902–1903.						
	Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
PROVINCIAL—*cont.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
43. MINOR WORKS AND NAVIGATION—*cont.*												
Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are kept—cont.												
Revenue Account—*cont.*												
Palar anicut system ..	9,522	49,991	13,738	— 4	73,247	9,528	49,849	13,694	5	..	..	73,076
Poiney do. ..	28	11,300	2,615	..	13,943	27	11,297	2,609	..	..	..	13,933
Cheyar do. ..	2,500	11,962	3,347	..	17,809	2,509	11,720	3,241	..	..	..	17,470
Thadapalli channel system ..	382	6,988	1,725	..	9,095	383	6,310	1,628	..	..	..	8,321
Arkenkota do. ..	700	3,500	971	..	5,171	696	4,354	1,163	..	..	..	6,213
Kalingaroyan do. ..	2,640	5,278	1,971	..	9,889	2,630	5,280	1,874	..	..	..	9,784
Tirukkóyilúr anicut system ..	2,625	9,486	2,871	..	14,982	2,639	9,468	2,757	..	..	..	14,864
Mohamattur do. ..	900	2,700	837	— 10	4,427	854	2,700	749	— 10	..	..	4,293
Vriddháchalam do. ..	1,100	2,800	904	..	4,804	1,101	2,798	903	..	..	..	4,802
Shatiatope do. ..	1,360	4,906	1,477	65	7,808	1,372	4,930	1,567	..	..	..	7,869
Pelandorai do. ..	700	5,942	1,543	— 2	8,183	700	5,946	1,446	65	..	..	8,157
Lower Coleroon do. ..	5,800	17,060	5,381	..	28,241	5,436	17,305	4,815	..	6	..	27,562
Nandyar channel system ..	255	2,300	596	..	3,151	110	2,490	605	..	..	..	3,205
Maradur anicut system ..	800	500	342	— 71	1,571	801	500	160	— 71	..	..	1,390
Chøpaud project ..	..	..	..	..	..	..	176	1	..	..	..	177
Chilka lake canal ..	..	263	62	..	325	50	280	76	..	..	..	406
Buckingham canal ..	1,495	63,001	20,854	3,800	89,150	1,468	63,329	21,843	3,682	8	..	90,330
Védáranniyam canal ..	..	4,276	1,084	150	5,510	433	3,356	976	181	17	..	4,963
Ganjam-Gopalpur canal ..	..	..	13	..	13	..	..	..	..	..	..	..
Total ..	49,315	2,42,943	76,822	3,818	3,72,898	49,377	2,43,124	75,120	3,740	31	..	3,71,392
Classes III and IV.—Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept but for which continuous records of expenditure and revenue are maintained individually and other Minor Works for which neither Capital nor Revenue nor Individual Accounts are kept.												
(*a*) In charge of Public Works Department—												
Old maintenance charges ..	15,407	1,71,152	2,92,125	2,368	4,81,052	15,407	1,71,152	2,92,125	2,368	..	..	4,81,052
Ordinary works ..	3,85,861	5,18,986	2,53,402	26,461	11,84,710	3,68,862	5,32,816	2,30,169	21,775	26	..	11,53,648
Tank restoration works ..	..	3,61,120	83,058	5,420	4,49,598	..	3,59,644	82,327	5,365	..	..	4,47,336
(*b*) In charge of Revenue Department ..	49,904	89,556	20,577	1,342	1,11,379	52,556	32,222	19,622	1,477	..	..	1,05,877
Do. of Civil Officers ..	40,804	85,686	..	..	1,26,490	..	1,05,896	..	..	..	..	1,05,896
Total ..	4,91,976	11,76,500	6,49,162	35,591	23,53,229	4,36,825	12,01,730	6,24,243	30,985	26	..	22,93,809
Class V.—Agricultural Works ..	2,76,689	4,54,548	1,67,981	10,925	9,10,143	2,87,173	4,44,940	1,49,548	10,030	147	..	8,91,838
Total Provincial ..	12,59,515	18,73,991	9,89,239	50,574	41,73,519	12,09,504	18,89,794	9,21,267	44,755	204	..	40,65,514

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B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902–1903—*cont.*

—	Final grants for 1902–1903. Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Expenditure incurred in 1902–1903. Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
LOCAL.												
43. MINOR WORKS AND NAVIGATION.												
Revenue Accounts are kept – Thadapalli Channel System	2,820	..	..	..	2,820	2,820	..	..	..	..	..	2,820
~~Thadapalli channel~~ Accounts are not kept	6,405	3,595	..	..	10,000	6,413	3,563	..	..	..	..	9,976
Total ..	9,225	3,595	..	..	12,820	9,238	3,563	..	..	..	..	12,796
Total 35, 42, 43 and 49 ..	21,05,795	24,87,927	19,32,515	1,78,502	67,04,739	20,46,131	25,12,131	18,10,935	1,82,958	2,119	136	65,54,138
PROVINCIAL.												
33. FAMINE RELIEF.												
Minor Works and Navigation	..	..	..	..	..	..	..	..	..	..	..	..

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B.—Statement showing by Systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902-1903.

—	Final grants for 1902-1903. Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Expenditure incurred in 1902-1903. Original works.	Repairs.	Establishment.	Tools and plant.	Refund of revenue.	Less receipts on Capital account.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
35. Construction of Protective Irrigation Works.												
Rushikulya project ..	45,771	..	9,029	200	55,000	48,273	..	9,373	60	..	14	57,692
Investigation projects.												
Under special Superintending Engineer	..	..	25,000	..	25,000	..	..	25,154	..	..	..	25,154
Ganjám investigation party	..	..	8,000	..	8,000	..	..	5,700	120	..	..	5,820
Tungabhadra and Pennar projects	..	..	43,100	..	43,100	..	..	32,427	5,722	..	..	38,149
Kistna project	3,500	..	32,000	900	36,400	3,054	..	21,512	1,422	..	..	25,988
Kurnool-Anantapur investigation party	400	..	13,700	1,900	16,000	830	..	27,981	3,006	..	..	31,817
Kurnool-Cuddapah canal	400	..	13,740	900	15,040	18,935	..	21,757	7,986	..	..	48,678
Nellore investigation party	19,000	..	21,800	2,900	43,700	557	..	10,186	— 4,022	..	..	6,721
Nandyar reservoir project party	600	..	10,500	— 4,000	7,100	160	..	37	2	..	..	199
Gundakama reservoir investigation party	160	..	..	..	160							
Total ..	24,060	..	1,67,840	2,600	1,94,500	23,536	..	1,44,754	14,236	..	..	1,82,526
Total "35" ..	69,831	..	1,76,869	2,800	2,49,500	71,809	..	1,54,127	14,296	..	14	2,40,218
42. Major Works—Working expenses.												
Rushikulya project ..	7,000	46,000	12,540	600	66,140	6,172	47,039	12,439	375	19	..	66,044
Gódávari delta system	25,457	2,27,457	2,51,498	70,500	5,74,912	27,857	2,31,685	2,51,527	70,451	157	..	5,81,677
Kistna delta system	24,685	2,05,425	2,21,145	44,810	4,96,065	25,452	2,06,770	2,21,677	45,260	256	..	4,99,415
Pennar river canals system	15,091	12,570	27,332	— 47	54,946	14,131	13,897	27,165	— 36	8	..	55,165
Kurnool-Cuddapah canal	8,928	49,720	24,134	1,470	84,252	8,427	49,966	24,871	1,465	1,401	..	86,130
Barur tank project	709	2,088	1,333	..	4,130	718	2,169	1,351	..	12	..	4,250
Cauvery delta system	14,428	— 16,034	51,266	— 600	49,060	13,050	— 15,868	48,071	— 992	58	..	44,319
Srivaikuntam anicut system	— 102	13,003	10,257	— 78	23,080	— 96	13,020	9,986	— 78	4	..	22,836
Periyár project ..	16,851	70,112	36,679	5,773	1,29,415	16,469	70,096	33,589	5,493	..	..	1,25,647
Total "42" ..	1,13,047	6,10,341	6,36,184	1,22,428	14,82,000	1,12,180	6,18,774	6,30,676	1,21,938	1,915	..	14,85,483
49. Capital expenditure not charged to revenue.												
Gódávari delta system	49,119	..	8,561	..	57,680	49,161	..	12,432	..	..	..	61,593
Kistna delta system	3,37,629	..	62,225	..	3,99,854	3,30,067	..	38,278	93	..	29	3,68,409
Pennar river canals system	1,37,712	..	30,588	..	1,68,300	1,35,038	..	26,967	..	..	..	1,62,005
Cauvery delta system	85,713	..	19,714	2,500	1,07,927	85,358	..	18,461	1,876	..	..	1,05,695
Periyár project ..	41,126	..	8,474	..	49,600	40,912	..	8,077	..	..	93	48,896
Srivaikuntam anicut system	2,878	..	661	..	3,539	2,869	..	660	..	..	..	3,529
Total "49" ..	6,54,177	..	1,30,223	2,500	7,86,900	6,43,405	..	1,04,875	1,969	..	122	7,50,127
Total Imperial ..	8,37,055	6,10,341	9,43,276	1,27,728	25,18,400	8,27,394	6,18,774	8,89,678	1,38,203	1,915	136	24,75,828

B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902-1903—*cont.*

—	Final grants for 1902-1903.					Expenditure incurred in 1902-1903.						
	Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
PROVINCIAL.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
43. MINOR WORKS AND NAVIGATION.												
Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are kept.												
Capital Account.												
Ganjam minor rivers system	34,000	..	7,130	..	41,130	34,668	..	6,197	..	..	..	40,865
Munyeru project	6,000	..	1,380	440	7,820	5,788	..	1,331	..	..	..	7,119
Atmakur tank project	3,300	..	759	..	4,059	3,307	..	762	..	..	..	4,069
Jangamaheswaram tank project	29,782	..	5,010	..	34,792	28,803	..	3,792	..	..	..	32,595
Ponnalur tank project	37,000	..	6,210	..	43,210	27,632	..	6,355	..	..	..	33,987
Kurnool-Cuddapah canal	17,430	..	3,940	..	21,370	17,153	..	3,934	..	..	..	21,087
Chepaud project	1,02,992	..	22,308	..	1,25,300	1,08,350	..	22,567	..	..	..	1,30,917
Vamula tank project	21,215	..	4,879	..	26,094	21,215	..	4,879	..	..	..	26,094
Barur "	..	..	..	..	..	37	..	..	..	..	..	37
Thadapalli channel system	1,747	..	402	..	2,149	1,572	..	362	..	..	..	1,934
Arkenkota "	799	..	184	..	983	1,476	..	339	..	..	..	1,815
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Cheyar "	3,000	..	690	..	3,690	3,003	..	229	..	..	..	3,232
Lower Coleroon anicut system	18,815	..	4,328	..	23,143	18,953	..	3,471	..	..	..	22,424
Tirukkóyilúr "	18,000	..	4,139	..	22,139	17,924	..	2,777	..	..	..	20,701
Shatiatope "	69,256	..	15,929	..	85,185	69,615	..	1,103	..	..	..	70,718
Mehamattur "	280	..	65	..	345	280	..	64	..	..	..	344
Madras water-supply and Irrigation extension	5,400	..	1,242	..	6,642	5,362	..	649	..	..	..	6,011
Buckingham canal	25,435	..	5,850	..	31,285	25,325	..	3,804	..	..	..	29,129
Periyar project	32,100	..	7,383	..	39,483	29,969	..	6,194	..	..	..	36,163
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Hojipuram tank project	..	..	..	..	..	..	..	..	..	..	..	..
Vallur anicut	..	..	..	..	..	..	..	..	..	..	..	..
Vriddhachalam anicut system	..	..	..	..	..	..	..	..	..	..	..	..
Nandyar channel system	..	..	..	..	..	57	..	13	..	..	..	70
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	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
PROVINCIAL—*cont.*												
43. MINOR WORKS AND NAVIGATION—*cont.*												
Class II.—Minor Works and Navigation for which Capital and Revenue Accounts are kept—cont.												
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Shatiatope do.	1,360	4,906	1,477	65	7,808	1,372	4,930	1,567	..	..	..	7,869
Pelandorai do.	700	5,942	1,543	— 2	8,183	700	5,946	1,446	65	..	..	8,157
Lower Coleroon do.	5,800	17,060	5,381	..	28,241	5,436	17,305	4,815	..	6	..	27,562
Nandyar channel system	255	2,300	596	..	3,151	110	2,490	605	..	..	..	3,205
Maradur anicut system	800	500	342	— 71	1,571	801	500	160	— 71	..	..	1,390
Chepaud project	..	..	..	..	..	..	176	1	..	..	..	177
Chilka lake canal	..	263	62	..	325	50	280	76	..	..	..	406
Buckingham canal	1,495	63,001	20,854	3,800	89,150	1,468	63,329	21,843	3,682	8	..	90,330
Védáranniyam canal	..	4,276	1,084	150	5,510	433	3,356	976	181	17	..	4,963
Ganjam-Gopalpur canal	..	..	13	..	13	..	..	..	..	..	..	..
Total	49,315	2,42,943	76,822	3,818	3,72,898	49,377	2,43,124	75,120	3,740	31	..	3,71,392
Classes III and IV.—Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept but for which continuous records of expenditure and revenue are maintained individually and other Minor Works for which neither Capital nor Revenue nor Individual Accounts are kept.												
(*a*) In charge of Public Works Department—												
Old maintenance charges	15,407	1,71,152	2,92,125	2,368	4,81,052	15,407	1,71,152	2,92,125	2,368	..	..	4,81,052
Ordinary works	3,85,861	5,18,986	2,53,402	26,461	11,84,710	3,68,862	5,32,816	2,30,169	21,775	26	..	11,53,648
Tank restoration works	..	3,61,120	83,058	5,420	4,49,598	..	3,59,644	82,327	5,365	..	..	4,47,336
(*b*) In charge of Revenue Department	49,904	39,556	20,577	1,342	1,11,379	52,556	32,222	19,622	1,477	..	..	1,05,877
Do. of Civil Officers	40,804	85,686	..	..	1,26,490	..	1,05,896	..	..	..	..	1,05,896
Total	4,91,976	11,76,500	6,49,162	35,591	23,53,229	4,36,825	12,01,730	6,24,243	30,985	26	..	22,93,809
Class V.—Agricultural Works	2,76,689	4,54,548	1,67,981	10,925	9,10,143	2,87,173	4,44,940	1,49,548	10,030	147	..	8,91,838
Total Provincial	12,59,515	18,73,991	9,89,239	50,574	41,73,519	12,09,504	18,89,794	9,21,257	44,755	204	..	40,65,514

B.—Statement showing by systems the grants for, and expenditure incurred on, Irrigation, Navigation and Agricultural Works during 1902–1903—*cont.*

—	Final grants for 1902–1903.					Expenditure incurred in 1902–1903.						
	Original works.	Repairs.	Establishment.	Tools and plant.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
LOCAL.												
43. Minor Works and Navigation.												
Revenue Accounts are kept– Thadapalli Channel System	2,820	..	..	..	2,820	2,820	..	..	..	..	..	2,820
nts/ ~~Thadapalli channel~~ are not kept	6,405	3,595	..	..	10,000	6,413	3,563	..	..	..	..	9,976
Total ..	9,225	3,595	..	..	12,820	9,233	3,563	..	..	..	..	12,796
Total 35, 42, 43 and 49 ..	21,05,795	24,87,927	19,32,515	1,78,502	67,04,739	20,46,131	25,12,131	18,10,935	1,82,958	2,119	136	65,54,138
PROVINCIAL.												
33. Famine Relief.												
Minor Works and Navigation	..	..	..	..	..	..	..	..	..	..	..	..

A.—STATEMENT showing by Divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during 1902–1903.

Divisions.	Imperial.								Provincial—43. Minor Works and Navigation.									
	35. Protective Works—Irrigation.		42. Major Works—Working expenses.				49. Capital Expenditure not charged to Revenue.		Minor Works for which Capital and Revenue Accounts are kept.						Minor Works for which neither Capital nor Revenue nor Individual accounts are kept, P.W.D.			
			Extensions and Improvements.		Maintenance and repairs.				Capital account.		Revenue account. Extensions and improvements.		Revenue account. Maintenance and repairs.		Original works.		Repairs.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám ..	45,771	48,273	7,000	6,172	46,000	47,039	..	..	34,000	34,668	23,670	23,958	23,967	24,527	4,900	5,363	6,700	6,588
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,000	8,015	10,000	9,998
Gódávari, Eastern	..	..	3,550	5,459	97,583	98,345	2,613	2,821	..	..	..	..	..	..	2,867	2,940	15,250	14,956
,, Central	..	..	10,000	10,402	50,374	51,648	9,515	9,206	..	..	..	..	..	..	..	..	..	..
,, Western	..	..	11,907	11,996	75,000	81,692	36,991	37,134	..	..	..	..	..	..	4,500	4,834	8,500	8,720
Kistna, Eastern ..	3,500	3,054	13,285	13,008	85,648	86,221	60,100	56,051	..	..	..	..	..	..	..	..	7,375	7,563
,, Northern ..	160	160	900	900	17,877	18,230	1,04,529	1,04,760	39,082	37,897	300	300	9,298	9,261	47,005	45,764	9,650	10,011
,, Western ..	..	..	10,500	11,644	1,02,000	1,02,319	1,73,000	1,09,256	..	..	..	..	..	..	..	..	..	..
Nellore ..	19,000	18,935	19,000	18,040	38,314	39,641	1,37,712	1,35,038	37,000	27,632	..	..	..	..	5,000	5,054	30,000	31,973
Cuddapah	..	..	..	..	..	..	..	..	1,24,207	1,29,899	157	217	3,350	3,532	84,350	70,350	13,500	28,719
Kurnool	800	830	8,928	8,427	49,720	49,966	..	..	17,430	17,153	300	300	1,000	998	4,670	4,396	17,400	15,320
Bellary ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	55,868	45,598	59,037	56,711
Salem ..	..	..	709	718	2,088	2,109	..	..	..	37	..	..	..	..	23,335	23,407	35,328	35,356
Coimbatore	..	..	..	..	..	..	..	..	9,976	10,799	3,722	3,709	15,766	15,944	22,640	32,199	38,500	38,495
West Coast	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,000	1,315	600	857
North Arcot	..	..	..	..	..	..	..	..	7,254	7,256	9,528	9,540	53,862	53,475	10,683	9,959	27,020	26,972
Chingleput	..	..	..	..	..	..	..	..	34,135	33,989	4,385	4,194	93,806	93,970	40,200	40,177	91,087	91,300
South Arcot	..	..	..	..	..	..	..	..	96,851	97,265	11,470	11,476	39,462	39,672	38,572	37,891	39,644	39,828
Tanjore ..	600	557	8,978	7,828	66,000	65,964	81,634	81,404	9,500	9,507	1,200	811	4,000	4,043	600	501	2,000	1,295
Negapatam	..	..	4,900	4,896	19,900	19,919	4,079	3,953	..	..	..	433	4,276	3,356	..	43	4,000	3,919
Trichinopoly	..	..	550	826	3,700	3,883	..	..	..	57	255	110	2,300	2,490	9,000	8,174	26,700	27,602
Madura ..	..	..	21,325	20,943	91,534	91,518	41,126	40,912	32,100	29,970	..	..	..	..	4,700	4,928	26,300	26,306
Tinnevelly	..	..	250	256	18,211	18,228	2,878	2,870	..	..	1,000	1,001	5,000	5,000	17,971	17,954	50,395	50,327
Total ..	69,831	71,809	1,21,782	1,20,915	7,68,349	7,76,782	6,54,177	6,43,405	4,41,535	4,36,129	55,987	56,049	2,56,087	2,56,268	3,85,861	3,68,862	5,18,986	5,32,816
Adjustment of old maintenance charges ..	..	..	−8,735	−8,735	−1,58,008	−1,58,008	..	..	..	..	−6,672	−6,672	−13,144	−13,144	15,407	15,407	1,71,152	1,71,152
Net Total ..	69,831	71,809	1,13,047	1,12,180	6,10,341	6,18,774	6,54,177	6,43,405	4,41,535	4,36,129	49,315	49,377	2,42,943	2,43,124	4,01,268	3,84,269	6,90,138	7,03,968

A.—Statement showing by Divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during 1902–1903—*cont.*

Divisions.	Provincial—43. Minor Works and Navigation—*cont.*														Local—43. Minor Works and Navigation ~~for which neither Capital nor Revenue nor Individual accounts are not kept.~~				~~General~~ Total.		33. ~~Famine Relief~~ Provincial. Grand	
	Tank Restoration Works.		Minor Works—Revenue Department.								Agricultural works.											
	Repairs.		In charge of Public Works Department.				In charge of Civil officers.				Original works.		Repairs.		Original works.		Repairs.					
			Original works.		Repairs.		Original works.		Repairs.													
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.	Grant	Outlay
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	Rs	Rs
Ganjám	..	..	..	..	..	..	..	..	..	..	1,500	2,098	2,500	1,864	..	..	..	..	1,96,008	2,00,550		
Vizagapatam ..	300	278	..	..	50	50	..	..	..	..	140	148	2,200	2,093	..	..	..	..	20,690	20,580		
Gódávari, Eastern ..	..	..	4,500	4,577	1,610	1,612	..	..	..	..	37,020	33,817	33,300	34,252	..	..	..	..	1,98,293	1,98,779		
,, Central ..	..	..	..	..	..	..	..	..	..	..	53,184	51,460	28,300	28,626	..	..	..	..	1,51,373	1,51,342		2
,, Western ..	..	..	500	419	..	..	..	..	..	..	6,300	5,216	15,700	14,392	..	..	..	..	1,62,898	1,64,403		
Kistna, Eastern ..	..	..	..	..	..	..	..	..	..	..	54,778	55,983	7,824	9,057	..	..	..	..	8,66,315	2,30,937		
,, Northern ..	800	374	1,846	1,606	1,454	1,454	..	..	8,100	..	205	199	1,043	1,055	..	..	..	..		2,31,971		
,, Western ..	..	..	..	..	..	..	..	..	..	..	6,156	5,189	1,00,000	1,05,429	..	..	..	..		3,93,737		
Nellore	65,097	63,923	3,500	3,498	..	..	..	..	..	..	1,500	1,457	3,311	3,458	..	..	..	..	3,59,434	3,46,649		
Cuddapah	18,500	18,462	7,250	7,249	1,250	1,632	12,595	..	2,570	13,385	650	550	1,400	1,401	..	..	..	..	2,69,679	2,75,399		
Kurnool	4,256	5,267	5,132	4,304	5,520	4,345	1,250	..	3,270	4,263	..	..	..	..	..	..	..	..	1,19,676	1,15,569		
Bellary	81,494	81,051	2,600	7,952	10,150	2,180	4,480	..	13,367	16,107	..	23	..	..	..	..	..	..	2,26,996	2,09,622		
Salem	27,463	27,589	11,227	11,246	12,662	12,807	..	..	..	..	3,000	3,132	935	926	6,405	6,413	595	595	1,23,747	1,24,396		
Coimbatore ..	..	..	..	..	..	..	..	..	5,875	3,636	4,478	4,590	8,474	8,486	2,820	2,820	3,000	2,968	1,15,251	1,23,645		
West Coast	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,600	2,172		
North Arcot ..	30,861	30,921	150	199	2,103	2,020	588	..	9,242	7,901	..	..	..	..	..	..	..	..	1,51,291	1,48,243		
Chingleput ..	23,500	23,446	..	..	540	540	6,282	..	9,318	13,940	5,918	5,630	4,000	3,627	..	..	..	..	3,13,166	3,10,813		
South Arcot ..	56,499	55,712	7,400	6,298	..	1,691	10,959	..	1,939	11,517	42,541	42,569	6,800	6,888	..	..	..	..	3,52,137	3,50,807		
Tanjore	..	..	..	..	..	..	..	..	..	..	37,000	37,240	1,63,000	1,63,256	..	..	..	..	3,74,512	3,72,406		
Negapatam ..	2,500	2,501	..	..	..	..	..	..	..	..	..	2,465	22,800	22,913	..	..	..	..	64,556	64,398		
Trichinopoly ..	..	..	1,100	1,100	128	— 30	..	..	25,350	25,095	14,292	13,453	51,000	51,020	..	..	..	..	1,34,375	1,33,280		
Madura	15,000	14,948	4,284	3,693	3,129	3,037	..	..	..	..	469	..	..	..	..	..	..	..	2,39,967	2,36,255		
Tinnevelly	34,850	35,174	415	415	960	884	4,650	..	6,660	10,052	6,258	21,954	1,961	— 13,806	..	..	..	..	1,51,459	1,50,309		
Total ..	3,61,120	3,59,644	49,904	52,556	39,556	32,222	40,804	..	85,686	1,05,896	2,76,689	2,87,173	4,54,548	4,44,940	9,225	9,233	3,595	3,563	45,93,722	45,58,262		
Adjustment of old maintenance charges.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Net Total ..	3,61,120	3,59,644	49,904	52,556	39,556	32,222	40,804	..	85,686	1,05,896	2,76,689	2,87,173	4,54,548	4,44,940	9,225	9,233	3,595	3,563	45,93,722	45,58,262		

54,778
7,824
62,602

S J R M S

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Statement A showing grants & outlay by divisions on Irrigation works during 1902-03

A.– Statement Showing by Divisions the Grant for and the Navigation and Agricultural works

Divisions.	Imperial.						Famine Relief Provincial.	
	35. Protective works Irrigation.		42. Major works – working expenses					
			Extensions and improvements		Maintenance and repairs.			
	Grant	Outlay.	Grant.	Outlay.	Grant	Outlay.	Grant 40	Outlay 41
1	2	3	4	5	6	7		
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Ganjam	45,771	48,273	7,000	6172	46,000	47,039	..	..
Vizagapatam	..	..	..	..	..	..	..	..
Godaveri Eastern	..	..	3550	5459	97,583	98,345	..	..
" Central	..	..	10,000	10,402	50,374	61,648	..	..
" Western	..	..	11,907	11,996	79,500	81,692	..	..
Kistna Eastern	3500	3054	13,285	13,008	85,548	86,221	..	..
" Northern	160	160	900	900	17,877	18,230	..	..
" Western	..	..	10,500	11,544	1,02,000	102,319	..	..
Nellore	19,000	18,935	19,000	18,040	38,314	39,641	..	..
Cuddapah	..	..	..	..	..	..	..	..
Kurnool	800	830	8928	8427	49,720	49,966	..	..
Bellary	..	..	..	..	..	..	..	..
Salem	..	..	709	718	2088	2169	..	..
Coimbatore	..	..	..	..	..	..	..	..
West. Coast	..	..	..	..	..	..	..	..
North Arcot	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..
South Arcot	..	..	..	..	..	..	..	..
Tanjore	600	557	8978	7828	66,000	65,964	..	..
Negapatam	..	..	4,900	4896	19,900	19,919		
Trichinopoly	..	..	550	326	3,700	3,883	..	
Madura	..	..	21,325	20,943	91,634	91,518		
Tinnevelly.	..	..	250	256	18,211	18,228		
Total	69,831	71,809	1,21,782	1,20,915	7,68,349	7,76,782	..	..
Adjustment of Old Maintenance Charges.	..	..	– 8735	– 8735	– 1,68,008	– 158,008		
Net Total	69,831	71,809	1,13,047	1,12,180.	6,10,341	6,18,774		

E. J.

Expenditure incurred on, Original works and Repairs under Irrigation during 1902-03.

49 Capital expenditure not Charged to Revenue		Provincial – 43. Minor works and Navigation.							
		Minor works for which Capital and Revenue accounts are kept.						Minor works for which neither Capital nor Revenue nor Individual accounts are kept. Rs. D.	
		Capital Account.		Revenue account				Original works	
				Extensions and improvements.		Maintenance and repairs			
Grant.	Outlay.	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay.
8	9	10	11	12	13	14	15	16	17
Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
–	–	34,000	34,668	23,670	23,958	23,967	24,527	4,900	5363
–	–	–	–	–	–	–	–	8,000	8015
2613	2821	–	–	–	–	–	–	2867	2940
9515	9206	–	–	–	–	–	–	–	–
36,991	37,134	–	–	–	–	–	–	4,500	4834
60,100	56,051	–	–	–	–	–	–	–	–
104,529	104,760	39,082	37,897	300	300	9298	9261	47,005	45,764
173,000	169,256	–	–	–	–	–	–	–	–
137,712	135,038	37,000	27,632	–	–	–	–	5,000	5054
–	–	124,207	129,899	157	217	3350	3532	84,350	70,350
–	–	17,430	17,153	300	300	1,000	998	4,670	4396
–	–	–	–	–	–	–	–	55,868	45,698
–	–	–	37	–	–	–	–	23,335	23,407
–	–	9976	10,799	3722	3709	15,766	15,944	23,640	32,199
–	–	–	–	–	–	–	–	1000	1315
–	–	7254	7256	9528	9540	53,862	53,475	9683	9959
–	–	34,135	33989	4885	4194	93,806	93,970	40,200	40,177
–	–	96,851	97,265	11,470	11,476	39,462	39,672	38,572	37,891
81,634	81,404	9,500	9507	1,200	811	4,000	4043	600	501
4,079	3,953	–	–	–	433	4276	3356	–	43
–	–	–	57	255	110	2,300	2490	9,000	8174
41,126	40,912	32,100	29,970	–	–	–	–	4,700	4928
2878	2870	–	–	4,000	1001	5,000	5,000	17,971	17,954
6,54,177	6,43,405	441,535	436,129	55987	56049	256,087	256,268	385,861	3,68,862
				– 6672	– 6672	– 13,144	– 13,144	15,407	15,407
6,54,177	6,43,405	441,535	436,129	49,315	49,377	242,943	243,124	401,268.	3,84,269

A. Statement showing by Divisions the Grant for and the Expenditure incurred on, Original works and Repairs under Irrigation, Navigation and Agricultural works during 1902-03. Continued

Divisions	Provincial — 43 Minor works and Navigation Contd.															
	Minor works for which neither Capital nor Revenue nor Individual accounts are kept - P.W.D. Contd.		Tank Restoration works.		Minor works - Revenue Department.								Agricultural works			
					In charge of Public works Dept.				In charge of Civil Officers.							
	Repairs.		Repairs.		Original works		Repairs.		Original works		Repairs.		Original works		Repairs.	
	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay	Grant	Outlay
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Ganjam	6,700	6,588	"	"	"	"	"	"	"	-		"	1,500	2098	2,500	1,864
Vizagapatam	10,000	9998	300	276	"	"	50	50	"	"		"	140	148	2,200	2093
Godaveri Eastern	15,250	14,956	"	"	4,500	4577	1610	1612	-	"		"	37,020	33,817	33,800	34,252
" Central	"	"	-	"	"	"	"	"	-	-		-	53,184	51460	28,300	28,626
" Western	8,500	8720	"	"	500	419	"	"	"	"		"	5,300	5216	15,700	14,392
Kistna Eastern	7375	7563	"	"	"	"	"	"	-	"		"	54,778	65,983	7824	9057
" Northern	9650	10,011	800	374	1846	1606	1454	1454	-	"	8,100	"	205	199	1043	1055
" Western	"	"	"	[illegible]	"	"	"	"	"	-		"	6156	5189	1,00,000	105,429
Nellore	30,000	31,973	65,097	63,923	3,500	3498	"	-	"	-		"	1,500	1457	3311	3,458
Cuddapah	13,500	28,719	18,500	18,462	7,250	7249	1250	1632	12,595	"	2570	13,385	550	550	1400	1404
Kurnool	17,400	15,320	4256	5267	5132	4304	5520	4345	1250	"	3270	4263	"	4282	"	"
Bellary	59,037	56,711	81,494	81,051	2,600	7952	10,150	2180	4480	"	13,367	16,107	"	23	"	"
Salem	35,328	35,356	27,463	27,589	11,227	11,246	12,662	12,807	"	"	"	"	3,000	3132	935	926
Coimbatore	38,500	38,495	"	"	"	"	"	"	"	-	5876	3636	4478	4590	8474	8486
West Coast	600	857	-	-	"	"	"	-	"	"	-		-	"	-	"
North Arcot	27,020	26,972	30,861	30,921	150	199	2103	2020	588	"	9242	7901	"	-	"	"
Chingleput	91,087	91,300	23,500	23,446	"	"	540	540	6282	"	9313	13,940	5918	5630	4,000	3627
South Arcot	39,644	39,828	56,499	55,712	7400	6298	"	1691	10,959	"	1939	11,517	42,541	42,569	6,800	6888
Tanjore	2000	1295	"	"	"	"	"	"	"	"	"		37,000	37,240	1,63,000	1,63,256
Negapatam	4,000	3919	2500	2501	"	"		"	"	"	-		2,400	2465	22,800	22,913
Trichinopoly	26,700	27,602	"	"	1100	1100	128	-30	"	"	25,350	25,095	14,292	13,453	51,800	51,020
Madura	26,300	26,306	15,000	14,948	4284	3693	3129	3037	"	"	"	"	469	"	"	
Tinnevelly	50,395	50,327	34,850	35,174	415	415	960	884	4650	"	6660	10,052	6258	21,954	1961	-13,806
Total	518,986	532,816	361,120	3,59,644	49,904	52,556	39,556	32,222	40,804	"	85,686	1,05,896	276,689	287,173	4,54,548	4,44,940
Adjustment of Old maintce & navel charges.	171,152	171,152	"													
Net Total	690,138	703,968	361,120	3,59,644	49,904	52,556	39,556	32,222	40804	"	85,686	1,05,896	276,689	287,173	454,548	444,940

* for Anantapur Division * Rs 7,370 relates to Anantapur Division

Divisions.	Local—43. Minor works and Navigation—				Grand Total	
	Original works		Repairs			
	Grant	Outlay	Grant	Outlay	Grant.	Outlay.
	34	35	36	37	38	39
	Rs	Rs	Rs	Rs	Rs	Rs
Ganjam	—	—	—	—	1,96,008	2,00,550
Vizagapatam	—	—	—	—	20,690	20,580
Godavari Eastern	—	—	—	—	1,98,293	1,98,779
" Central	—	—	—	—	1,51,373	1,51,342
" Western.	—	—	—	—	1,62,898	1,64,403
Kistna Eastern	—	—	—	—	8,66,315	2,30,937
" Northern	—	—	—	—		2,31,971
" Western	—	—	—	—		3,93,737
Nellore	—	—	—	—	3,59,484	3,48,649
Cuddapah	—	—	—	—	2,69,679	2,75,399
Kurnool	—	—	—	—	1,19,676	1,15,569
Bellary	—	—	—	—	2,26,996	2,09,622
Salem.	6405	6413	595	595	1,23,747	1,24,396
Coimbatore	2820	2820	3000	2968	1,15,251	1,23,645
West Coast					1,600	2172
North Arcot					1,51,291	1,48,243
Chingleput					3,13,166	3,10,813
South Arcot					3,52,137	3,50,807
Tanjore					3,74,512	3,72,406
Negapatam					64,855	64,398
Trichinopoly					1,34,375	1,33,280
Madura					2,39,967	2,36,255
Tinnevelly					1,51,459	1,50,309
Total.	9225	9233	3595	3563	45,93,722	45,58,262
Adjustment of old maintenance charges	—	—	—	—		
Net Total	9225	9233	3595	3563	45,93,722	45,58,262

[initials] 21-7-03

Statement B showing grant-in-aid
by system and classes
during 1902-03

Recd 28/1/03

Statement B. Showing grants and outlay by systems and classes during 1902-03

B. Statement Showing by Systems the grants for, and expenditure incurred on Irrigation, Navigation and Agricultural works during 1902-03.

	Final grants for 1902-03					Expenditure incurred in 1902-03.						
	Original Works.	Repairs	Establishment.	Tools and plant	Total.	Original Works.	Repairs	Establishment	Tools and plant.	Refunds of Revenue	Less receipts on Capital accounts	Tot[al]
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	R[s.]
Construction of protective Irrigation Works.												
Rushikulya. Project.	45,771.	-	9029.	200.	55,000.	48,273.	-	9373.	60.	-	14	57.
Investigation projects.												
Under Special Supg. Engineer.	-	-	25,000	-	25,000	-	-	25,154.	-	-	-	25.
Ganjam investigation party.	-	-	8000	-	8000.	-	-	5700.	120.	-	-	58.
Tungabhadra and Pennar projects	-	-	43,100	-	43,100	-	-	32,427	5722	-	-	38
Kistna project	3500		32000	900.	36400	3054	-	21512	1422	-	-	25.
Kurnool Anantapur Investigation party }	400	-	13,700	1900	16000 }							
Kurnool. Cuddapah Canal }	400.	-	13,740	900.	15040 }	830.	-	27981	3006	-	-	31
Vellore Investigation party.	19000	-	21800.	2900	43700	18935	-	21,757	7986	-	-	48
Vaudyar. Reservoir project Party	600	-	10,500	-4000	7100	557.	-	10.186.	-4022.	-	-	6
Gundlakama Reservoir Investigation party	160.	-	-	-	160.	160	-	37.	2	-	-	
Total.	24060	-	16,7840.	2600	194500.	23536.	-	14,4754	14236	-	-	1
Total "35"	69831	-	176869	2800	249500	71809	-	15,4127	14296	-	14	2
42. Major Works - working Expenses												
Rushikulya project	7000	46000	12540	600	66,140	6172	47039	12439	375	19	-	66
Godavari Delta System	25457	227457	251498	70,500	574912	27857	231685	251527	70451	157	-	58
Kistna Delta System.	24,685	20,5425	221145	44810	496065	25452	206770	221677	45260	256	-	4
Pennar river Canals System	15091	12570	27332	-47	54946	14731	13897	27765	-36	8	-	5
Kurnool Cuddapah Canal	8928	49720	24,134	1470	84,252	8427	49.966	24,871	1465	1401	-	8
Barur Tank Project.	709	2088	1333	-	4130	718.	2169	1357	-	12	-	4
Cauvery Delta System	14,228.	-16034	51266	-600	49060	13050	-15868	48071	-992	58	-	4
Srivikuntam Ancient system	-102	13003	10257	-78	23080	-96	13020	9986	-78.	4	-	2
Periyar Project.	16851	70,112	36,679	5773	129415	16469	70096	33,589	5493	-	-	12
Total "42"	113047	610347	636184	122428	1482000	112180	618774	630676	121938	1915	-	14
49. Capital Expenditure not Charged to Revenue												
Godavari Delta System.	49,419	-	8561	-	57,680.	49161	-	12,432	-	-	-	6
Kistna Delta System	3,87,629	-	62,225	-	3,99,854	3,30,067	-	38,278.	93	-	29	3
Pennar river Canals system	1,37,712	-	30,588.	-	1,68,300.	1,35,038	-	26,967	-	-	-	1,6
Cauvery Delta System.	85,713.	-	19,714	2500	1,07,927.	85,358.	-	18,461.	1876	-	-	10
Periyar Project.	41,126	-	8,474	-	49600	40,912	-	8,077	-	-	93	4
Srivikuntam Ancient System	2,878.	-	661	-	3,539.	2869	-	660	-	-	-	
Total "49"	654,177	-	1,30,223	2,500	786,900	643405	-	1,04,875	1969	-	122	7
Total Imperial.	837,055	6,10,341	9,43,276	1,27,728	2518400	827,394	6,18,774	889,678	1,382,03	1915	136	24

Provincial Minor Works and navigation II – Minor Works and Navigation for which Capital and Revenue accounts are kept												
Capital Accounts												
Ganjam Minor Rivers System	34,000.	"	71,30.	"	41,130	34,668	-	6197.	-	-	-	40,865
Mannyeru Project	6000	"	1,380	440	7,820	5,788	-	1,331	-	-	-	7,119
Sinnakur Tank Project	3,300	"	759	"	4059	3307.	-	762.	-	-	-	4,069
Ranganaheswaram Tank Project	29,782.	"	5010	"	34792	28803	-	3,792	-	-	-	32,595
Annalur Tank Project	37,000.	"	6210.	"	43,210	27,632	-	6,355	-	-	-	33,987.
Kurnool Cuddapah Canal	17,430	"	3,940	"	21,370	17,153	-	3934	-	-	-	21,087
Repaud Project	102,992	"	22,308	"	1,25,300	108,350	-	22,567	-	-	-	1,30,917
Ramula Tank Project	21,215	"	4,879	"	26,094	21,215	-	4,879	-	-	-	26,094
Barur Tank Project	"	"	"	"	"	37			-	-	-	37
Sadapalli Channel System	1,747.	"	402	"	2,149	1572	-	362	-	-	-	1,934
Kankota Channel System	799	"	184	"	983	1,476	-	339	-	-	-	1,815
LingaRayan Channel System	7,430	"	1,709	"	9,139	7.751	-	1,783	-	-	-	9,534
Palar Anicut System	7,554	"	1,737	"	9,291	7,555	-	1,664	-	-	-	9,219
Cheyar Anicut System	3,000	"	690	-	3,690	3003	-	229	-	-	-	3,232
Lower Coleroon Anicut System	18,815	"	4,328	-	23,143	18,953.	-	3,471	-	-	-	22,424
Srivaikuntam Anicut System	18,000	"	4,139	"	22,139	17,924	-	2,777	-	-	-	20,701
Katalai Anicut System	69,256	"	15,929	"	85,185	69,615	-	1,103	-	-	-	70,718
Nekamattar Anicut System	280.	"	65.	-	345	280.	-	64	-	-	-	344
Madras Water Supply and Irrigation Extension	5,400	-	1,242	"	6,642	5,362	-	649.	-	-	-	6,011
Buckingham Canal	25,435	"	5,850	"	31,285	25,325	-	3,804	-	-	-	29,129
Periyar Project	32,100	"	7,383	"	39,483	29,969	-	6,194	-	-	-	36,163
Sagileru Project	-	-	-	-	-	297	-	69	-	-	-	366
Hajipuram Tank Project												
Vattur Anicut												
Vridhachalam Anicut System												
Vandyar Channel System	.	.	.	.	.	57		13	-	-	-	70
Kaminera Reservoir					.	37		8	.	-	-	45
Total.	4,415,35	"	95,274	440	5,37,249	4,36,129	-	72,346	-	-	-	5,08,475
Revenue Account												
Ganjam minor rivers system	23670	23704	10946	"	58,320	23908	24,247	10,074	-	-	-	58,229
Dondapaud Tank System	-	88.	20	"	108	-	71	16	-	-	-	87.
Munnyeru Project	300	9,210	2192	40	11,742	300.	9190	2187	38.	-	-	11,715
Sagileru Project	157.	3,350	806	"	4,313	217	3.356	796	-	-	-	4,369
Cumbam Tank System	300.	207.	117.	-12	612	300.	205	117	-12	"	"	610
Chembrambakam Tank System	-2093	-1597	-846	-109	-4645	-2078	-1588	-875	-109	"	"	-4650

...adras Water Supply and ...rigation Extension	-3600	6,300	3,437	-10	6,127	-3,781	6,334	2,946	-10	"	"	5,489
...ther Anicut System.	-226	-572	-181	-19	-998	-226	-779	-248	-19			-1272
...lar Anicut System.	9,522	49,991	13,738	-4	73,247	9,528	49,849	13,694	5	"	"	73076
...iney Anicut System.	28	11,300	2,615	"	13,943	27	11,297	2,609	"	"	"	13,933
...yar Anicut System.	2,500	11,962	3,347	"	17,809	2,509	11,720	3,241	"	"	-	17,470
...adapalli Channel System.	382	6,988	1,725	"	9,095	383	6,310	1628	"	"	"	8,321
...ken Kota Channel System.	700	3,500	971	"	5,171	696	4,354	11,63	"	"	"	6,213
...ingarayan Channel System.	2640	5,278	1,971	"	9,889	2630	5,280	1,874	"	"	"	9,784
...ukoiler Anicut System.	2,625	9,486	2,871	"	14,982	2,639	9,468	2,757	"	"	"	14,864
...kamatten Anicut System.	900	2,700	837	-10	4,427	854	2,700	749	-10	"	"	4,293
...dlachalam Anicut System.	1,100	2,800	904	"	4,804	1,101	2,798	903	"	"	"	4,802
...atalope Anicut System.	1,360	4,906	1,477	65	7,808	1,372	4,930	1,567	"	"	"	7,869
...andorai Anicut System.	700.	5,942	1,543	-2	8,183	700	5,946	1,446	65	"	"	8,157
...wer Coleroon Anicut System.	5,800	17,060	5,381	"	28,241	5,436	17,305	4,815	"	6	"	27,562
...udyar Channel System.	255	2,300	596	"	3,151	110	2,490	605	"	"	"	3,205
...aradur Anicut System.	800	500	342	-71	1571	801	500	160	-71.	"	"	1390.
...hepaud Project.	"	"	"	"	"	"	176	1	"	"	"	177
...ilka Lake Canal	"	263	62	"	325	50	280	76	"	"	"	406
...uckingham Canal	1495	63,001	20,854	3,800	89,150	1,468	63,329	21,843	3,682	8.	"	90,330
...daranyam Canal.	"	4,276	1,084	150	5510	433	3,356	976	181	17	"	4,963.
...anjam Gopalpur Canal	"	"	13	"	13	"	"	"	"	"	-	"
Total. –	49,315	2,42,943	76,822	3,818	3,72,898	49,377	2,43,124	75,120	3,740	31	"	3,71,392.

...lasses III and IV – Minor works ...d navigation for which nei... ...er Capital nor Revenue ...ccounts are kept, but for which ...ntinuous records of expendi... ...re and revenue are main... ...ained individually and ...ther minor works for which ...either Capital nor Revenue ...or individual accounts ...re kept.

...a) In charge of P.W.D.

...ld Maintenance Charges	15,407	1,71,152	2,92,125	2,368	4,81,052	15,407	1,71,152	2,92,125	2368	"	"	4,81,052
...rdinary works.	3,85,861	5,78,986	2,53,402	26,461	11,84,710	3,68,862	5,32,816	2,30,169	21,775	26	"	11,53,648
...ank Restoration Works.	"	3,61,120	83,058	5,420	4,49,598	"	3,59,644	82,327	5,365	"	"	4,47,336
...b) In Charge of Revenue Department.	49,904	39,556	20,577	1,342	1,11,379	52,556	32,222	19622	1,477	"	"	1,05,877
In charge of Civil officers.	40,804	85686	"	"	1,26,490	"	1,05,896	"	"	"	"	105896
Total. –	4,91,976	11,76,500	6,49,162	35,591	23,53,229	4,36,825	12,01,730	6,24,243	30,985	26	"	22,93,809

Class V Agricultural works	276689	454548	167981	10925	910143	287173	444940	149548	10030	147	"	891838
Total Provincial	1259515	1873991	989239	50574	4173519	1209504	1889794	921257	44755	204	"	4065514
Local												
43 - Minor works and Navigation for which Capital and Revenue accounts are kept.												
Khadapalli Channel	2820	"	"	"	2820	2820	"	"	"	"	"	2820.
Accounts not kept:	6405	3595	"	"	10000	6413	3563	"	"	"	"	9976
Total	9225	3595	"	"	12820	9233	3563	"	"	"	"	12796
Total 35, 42, 43, and 49.	2105795	2487927	1932515	178502	6704739	2046131	2512131	1810935	182958	2119	136	6554138
Provincial												
33. Famine Relief and Minor Works and Navigation	-	-	-	-	-	-	-	-	-	-	-	-

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...tal Provincial	1259515	1873991	989237	50576	1178519	1209504	1889744	921157	14,755	206

Local

3 - Minor works and nav...
...tion for which Capital
...d Revenue ... kept

Khadapali Channel	2820	2820	2820

24/11/95 RA 56

7930/RH/95

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